

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

62.85

IN



SELECTED IRIS OFFERINGS

for 1949



- ★ Tall Bearded
- ★ Hybrids (bearded)
- ★ Intermediates
- ★ Dwarfs
- ★ Spuria



Tell's Iris Gardens

(Tell Muhlestein, hybridizer, introducer)

691 East Eighth North

PROVO, UTAH

1949

Tell's Iris Gardens

(Tell Muhlestein, Hybridizer and Introducer)
691 East 8th North, Provo, Utah
Phone: 533W

Forward

GREETINGS IRIS FRIENDS,

First let me thank the many hundreds of iris friends and customers for the kind expressions of appreciation for my 1948 Catalogue, and of course, for the many orders which make this catalogue possible. There were so many letters that I was unable to answer all personally, or at the time, so I would like to take this opportunity to say, "Thanks again for your response as well as the many fine suggestions which others might enjoy if I should print them in these pages." You will find some breeding suggestions in this catalogue, again, and I will mention especially fine parents among the standard varieties and novelties listed herein.

I am especially proud of the iris I will introduce this year. They have been selected as superior to anything in their various color classes it has been our good fortune to grow or see in other gardens. They are not perfect iris, but their qualities are good. I think the first requisite of quality in an iris is color (beauty), and next I consider substance of great importance, for how often we see a beautiful flower that melts like snow the minute the hot sun hits it or droops in the first light rain. While I like good branching I have come to appreciate varieties with less and shorter branching as garden subjects. Varieties with low and wide branching may be excellent exhibition flowers, but in the garden the clumps are not always attractive for their flowers are often down in the foliage or on the ground and wide branches sometimes twist among other branches of a plant giving an unsightly appearance to the clump. This is not noticeable, of course, with first year plants, but very much so on two or three year old clumps. Some poorly branched iris are especially beautiful in clumps for mass effect. The same might be said of small-flowered varieties, and these, after all, are unquestionably still the most beautiful for cutting and indoor arrangements for the average-sized home.

We hope, again, you will enjoy the pursuit of this catalogue and we hope, too, those of you who breed iris to add further beauty to gardens throughout the world, will find some helpful suggestions in these pages, for we all learn by our mistakes as well as our successes. But even so there is no proven sure-fire rule to breeding fine iris. Some "wild" cross may give us an unusual break in color, something extremely large or heavy substantced. Some hybrids like Wm. Mohr, that are notoriously difficult to set seed, will, often, give us a beauty such as Elmohr, and surely Elmohr has substance to put either of its parents to shame, so we cannot say, definitely, that a variety with poor substance will produce that quality in its children, although we can expect some of its grandchildren to inherit this poor substance.

Again let me say Thanks for your many good letters and orders.
Happy irising for 1949 and the years to follow. I am,

Sincerely,
TELL MUHLESTEIN

Our 1949 Introductions

AFTER MIDNIGHT (Storm King x Sable) A large, tall, well-branched dark purple on the order of Sable, with slightly better form. A sister seedling to Night Spot. C. of C. (46-70 C) Midseason. Each\$2.00

BELLE AMIE (John Ohl) (Golden Fleece x Tiffany) Another of those delightful lemon-ice yellows on the order of Cool Lemonade. Belle Amie impressed us as the finest of this color class. It is the lightest in color, a complete self, with excellent branching. Pronounce it "Bella-Me," meaning "Beautiful friend"—a fitting name. Height 38 inches. Midseason. H. C. 1948 as OS 1. Each.....\$15.00 Net

BURMESE RUBY (Red Valor x Red Gleam) An unusual red with a jewel-like enamel finish. There is a slight smoky undertone in the falls. I feel it will be an important parent for reds. Height 36 inches. Midseason to late. H. C. (No. 46-122) 1948. Each\$15.00

GAY ORCHID (Nylon x Golden Eagle) Large Orchid self with flaring falls. A tangerine beard gives it added life and color. Gay Orchid has proven an exciting parent for this same color, pinks and those salmon-pinks. It is a beautiful variety for indoor arrangements. Height 36 inches. Early to midseason. H. C. 1947. Each\$15.00

GLISTENGLOW (Snow Flurry x 44-1: Genevieve Serouge x Mount Cloud) To my mind the most beautiful white iris I have grown. Its branching has been poor, but the individual flowers are as if carved from wax. There is a slight greenish tinge in the strong midrib. The beard is not obtrusive, showing color only deep inside the flower. Early to Midseason. Height 40 inches. H. C. 1947. Each\$15.00

GREENGLOW (Sister to Glistenglow) Here is the iris the "fans" of green have wanted. It is a very large flower, wide of parts. There is some ruffling in the flower, as with Glistenglow; however, the falls are not flaring. This is really a white iris, but there is a strong suffusion of greenish-chartreuse over the entire flower, but more of the color in an outpouring over the falls at the hafts. It has every good quality, height, branching, substance and that certain something (charm, personality) that will appeal to those who like the unusual. Midseason. Height 40 inches. H. C. 1948. Each\$15.00

HOOGIE BOY (Hoogiana x Sdlg: Genevieve Serouge x Salutation) My first real hybrid. Here is a delightful wisteria violet-blue self, with a strong gold outpouring from the wide beard to the hafts. The falls are widely flaring and have a dip in the center giving the flower a jaunty air. Early, it will open the iris season for those who do not grow the dwarfs or intermediates. It sets seed and has extremely fertile pollen on the tetraploids. Remarkable of increase, hardy and easy to grow. No. 47-1. Each\$10.00

NIGHT SPOT (Storm King x Prince Valiant: Joycette x McCall) Tall, rich, black-purple bi-color. The falls flare horizontally, are extremely velvety, rich and free of haft markings. Night Spot will command attention in any planting. It blooms in the late season therefore it should be planted in partial shade to show at its best, but I have always grown it in hottest sun and it holds up remarkably well for such a dark iris. Height 40 inches. Each\$10.00

PINK FORMAL (Golden Eagle x Dr. Loomis' S Q 72) Proud, I am, to introduce this great pink iris to the world. Everyone having seen it has been enthusiastic in its praise. It has the greatest depth of color, the heaviest substance and the finest stalk of any pink iris I have seen, and happily it passes these qualities to its children; in fact many of its pollen children were pink even to the beards. Pink Formal will hold up to any iris in the garden for substance and lasting qualities. It is a large flower, somewhat ruffled. The color is deep pink but a pink of salmon origin, although I would not believe this until I tried to find its color in Maerz and Paul's "Dictionary of Color." However, it is pink, and gives great depth of color in the garden. An intense red-tangerine beard lights the flower from within. So heavy, however, is the substance that newly opened flowers do not attain their full growth and normal shape until the second day. The color holds in the hottest sun. I intended to introduce Pink Formal at

\$50.00 each for the stock is small (it is not the fast increaser its sister, Pink Tower, is), however, I feel even the price I have decided on is fabulous, but Pink Formal is a fabulous iris as I am sure you will agree. It is a thrifty and healthy grower. I have not lost a plant since it appeared in 1946, but its increase is moderate only. It branches slightly below mid-section of its stalk—about even with the tips of the leaves, so the flowers are well displayed above the foliage. There are two or three widely spaced branches and a terminal, with from 9 to 12 flowers. The stalk is strong and has never required staking. Height 40 inches. Blooms early to late. H. C. 1947. Each\$35.00 Net

(The following growers have Pink Formal on trial: Mrs. C. G. Whiting, Beryl Harman, Mrs. J. A. Sapp, D. P. Wickersham, Mrs. W. J. Schmelzer, Walter Marx, Robert Schreiner, John Ohl, Mrs. Glen Suiter, Carl Taylor, Tom Craig. In Utah: Fisher Harris, Carl Larsen, Milton Holdaway, and Mrs. Samuel Crosby.)

SHINE ON (Fiesta x Dubrovnik) A small, well branched, brilliant burnt orange, or copper. Deep orange reticulations on the haft, in this flower, gives it added brilliance. It is a delightful iris for arrangements. Fine parent for rich colors. A sister seedling to Utah Fiesta. Early to Mid-season. Height 38 inches. Intended for introduction last year, therefore a good stock allows this price. Each\$1.00

SKY TINT (Sparkling Frost x Gloriole) A light blue self, expressing the beauty of its two great parents. Its conic standards are held tightly closed until the flower fades. Here is a tailored light blue that holds its color and has that same sparkling quality of its parents. It is not the bluest iris for there is a hint of pink (lavender) in its makeup, but it should prove a remarkable parent with such iris as Great Lakes, Blue Valley, Chivalry, Blue Rhythm, Azure Skies, Mirror Lake, etc. Midseason. Height 38 inches. H. C. (46-28) 1948. Each\$15.00

SPORTING THOMAS (A Sport of N. J. Thomas) There were two sports of N. J. Thomas, however the second did not bloom until last year. One is a dark purple, on the order of the Black Douglas, and it is this we have given the name Sporting Thomas. The other, a deep Mulberry Purple, has slightly poorer form and will not be named. Both, however, have extremely fertile pollen, whereas N. J. Thomas has not proven too fertile either way. I feel this sport will be a useful parent for use with the hybrids of Wm. Mohr origin as well as the dark "black" varieties. Its pollen seems to "work" where others fail. Midseason. Height 34 inches. Only a few to be sold. Each\$5.00

STORY TIME (The Red Douglas x Hall's 42-10) A giant. The largest bi-colored burgundy rose (amethyst) iris I have ever seen or grown. Some have referred to its color as Raspberry-purple. It has considerable life and carrying power in the garden. It is one of those varieties almost every garden visitor wants, so I have decided to introduce it at a modest price. The name comes from some of the "big" stories father used to tell us on a Sunday morning (his one day home) when we would crawl into bed with him to listen, wide-eyed, to his breath-taking boyhood experiences or just plain fiction. It is an exciting experience and we think Story Time will add just a touch of excitement to your planting. It is especially lovely en-masse. H. C. (46-5) 1948. Height 34 inches. Early to Midseason. Each\$5.00

PREVIOUS INTRODUCTIONS

Look for these throughout this catalogue. Enjoy them in your own garden.

ALTAMOHR
ANITA CATHERINE
ARCTIC GOLD
BLUE RIM
BROWN STAIN
CREAM GOLD
DEEP BUTTERCUP
FAIRY LIGHT (Spuria)
GOLD RUFFLES
HELEN FITZGERALD
LITTLE ELSA (Dwarf)
MELODY LACE

MERRY ROSE
MIRROR LAKE
MIST GLOW
MOUNT TIMP
N. J. THOMAS
PINK SALMON
PINK TOWER
RADIANT COMMAND
RARE MARBLE
SEA LARK
STAG AT EVE
UTAH FIESTA

Tell's Iris Gardens - 1949

TALL BEARDED IRIS

- ACADIA** (Tompkins '46) M (Honeyflow x Coloratura) Wide, rich deep lemon-yellow\$4.00
- ACE HIGH** (Lyell '45) M (Calif. Gold x Happy Days) Bright, clean yellow with light area in falls. Good\$1.50
- ACTION FRONT** (Cook '42) E-M (From: Morning Splendor, Seminole, Cinnabar) x (E. B. Williamson) Good red. Fine parent.....\$1.50
- ADELANTO** (DeForest '41) M (Druid x Alta Calif) x (Naranja) Yellow-Ocre brushed brown. Should breed oranges\$7.75
- ADMIRATION** (K. Smith '46) M (I-21: Aubanel x X-76) x (K-118: Chosen x Yellow Glory) Impressive, wide clean yellow. H. M. 1947\$8.00
- ADVENTURE** (Grant '41) M (Prob. from Mary Geddes) Yellow plic, marked rosy-brown\$7.75
- AFTER MIDNIGHT** (See 1949 Introductions)
- AGLOWING** (Horton '45) M (Golden Hind x Golden Treasure) Aptly named. Fine deep, brilliant yellow\$7.00
- ALLADIN'S WISH** (Murawska '45) M (Buechley Giant x Pluie d'Or) Unusual! Blue brushed gold. Plant with yellows\$5.00
- ALASTOR** (Spender '40) ML (Sdlgs.) Cyclamen pink with brilliant orange beard. Acts like a diploid. A. M. 1941\$7.75
- ALBA SUPERBA** (J. Sass '43) Snowking x sdg. of Happy Days) ML. Huge white of quality that demands attention. Should be a fine show specimen and a breeder for pinks, yellows and whites. H. M. 1943\$5.00
- ALDURA** (C. Larsen '43) E-M (Don Juan) x (Titan x San Francisco) x (Wasatch) Our choice of the blue and white plicatas. Heavy substance, fine form, and a remarkable parent. H. M. 1947\$1.00
- ALLUMEUSE** (Gage '38) M-L (Dorothy Dietz x Sir Michael) Violet bi-color. Should be valuable for Amoena and Neglecta breeding\$5.00
- ALPINE GLOW** (Kleinsorge '45) M (Mexico x Red Sdlg. from: Rebellion, King Tut, Purissima, Dolly Madison x E. B. Williamson) Smooth rose-violet blend. H. M. 1946\$3.00
- ALTAMOHR** (C. J. Paul '48) M-L (Wm. Mohr x Alta Calif.) Flaring Orchid-Violet. Sets seed\$5.00
- AMBER GEM** (Salbach '46) EM (Lost) Huge chestnut-brown and gold. H. M. 1947.....\$7.50
- AMIGO** (Williamson '34) M (?) Rich Pansy-purple-violet bi-color. A. M. 1938.....\$7.75
- AND THOU** (Graves '42) M (Purissima x Nene) Quality blue-white that is proving a remarkable parent with Great Lakes and its seedlings. H. M. 1942\$1.50
- ANGELUS** (Egelberg '37) M (Elizabeth Egelberg x Depute Nomblot) Lavender-pink. Parent of the new May Charm and Pathfinder. Fertile pollen, but a difficult pod parent\$5.00
- ANITA CATHERINE** (S. C. Clarke '48) M-L (Purissima x Mohrson) Large blue-white. Occasionally has pollen. We have great hopes for it as a fine breeder\$10.00
- ANITRA** (H. Sass '36) M (Purissima x Oriana) A light blue classic. An easy pod parent. It produces smooth seedlings. H. M. 1937\$4.00
- ANNA WILLIAMSON** (Cook '46) M (Sister to Majenica: a Rameses Seedling) Washed-out pink bi-color. May be a fine parent, however. H. M. 1946\$5.00
- ANNE-MARIE BERTHIER** (Cayeux '38) (Parentage lost; probably involves Purissima) A greenish-white\$1.00
- ANNE NEWHARD** (Weisner '40) (?) Rich velvety purple bi-color. H. M. 1944\$1.00
- APEX** (Tompkins '47) M (Garden Glory x Jasper Agate) A new rich red that looked good on first year plants\$20.00
- ARAB CHIEF** (Whiting '44) M-L (Raejean: Amitola x Copper Piece x Garden Magic) Rich burnt Orange self. Superb parent either way. H. M. 1946\$3.00
- ARCTIC GOLD** (Muhlestein '48) E (Arctic x Sungold) Huge, tall, well branched medium yellow\$2.50
- ARETHUSA** (Gage '40) M (?) Daphne-red, simply huge. Plant in partial shade for it sunburns. H. M. 1937\$5.00
- ARGUS PHEASANT** (DeForest) M-L (Casa Morena x Tobacco Road) H. M. 1948
- ARIANE** (Cayeux '35) E-M (Chaldee x Fakir) Over-all patterned plicata\$5.00
- ASHES OF ROSES** (Kirkland '40) (?) Smoky rose that is different\$7.75
- ATROUS** (Gage '43) M (Purple sdg. x Modesta: Cheerio x Rosy Wings) Black-purple with red undertone. Superb\$3.00
- AUBURN** (Kleinsorge '45) M (Prince of Orange x 258: Far West x Junaluska) Sister to Bronzed Copper. Auburn-red with blue flush in falls. H. M. 1946\$7.50
- AURORA DAWN** (Whiting '48) (involving: Mutula, Garden Magic, Prairie Sunset) x (Veishea) Rich blend that should prove a remarkable parent\$4.00
- AUTUMN FLAME** (H. Sass '41) (Sdlgs. from Morning Splendor x King Tut) Dependable re-bloomer. Purple\$1.00
- AZALEA** (Nesmith '46) M (Melitza x Leilani) Congo pink\$7.00
- AZTEC COPPER** (Kleinsorge '39) M (Far West x Tan Sdlg.) Huge tan blend. Superb parent, although Tobacco Road and Bryce Canyon are steps forward. H. M. 1940\$1.00

- AZURE SKIES** (Pattison '43) M (Crystal Beauty x Snowking) Light ruffled blue that holds its color. Use with Great Lakes, Chivalry, Mountain Sky, Gloriole for good blues. A. M. 1945\$2.00
- BAGHDAD** (Whiting '46) M (Garden Glory x Golden Spike) Brassy yellow, not too attractive, but should breed 'em. Fertile pollen, difficult pod parent. Use for reds, blends, coppers, and perhaps oranges\$10.00
- BALLET GIRL** (H. Sass '35) M (?) Delicate pink-white diploid\$5.00
- BALMUNG** (H. Sass '39) M (From Yel. plic. seedlings—undoubtedly Orloff and Tiffany blood) Fine wide yellow plicata. A. M. 1942\$1.00
- BANDMASTER** (Hall '44) (Blue Sdlg. x Great Lakes) Large, clear medium blue. H. M. 1944\$4.00
- BARBARA LUDDY** (Lapham '47) M (Spindrift x Melitza) Pink, ivory at hafts. Some "dirt" in the falls. Should be a fine parent. H. M. 1947\$10.00
- BARRIMOHR** (Wm. Miller '44) M (Wm. Mohr x Adobe) Large, heavy substandard bi-purple\$2.00
- BATAAN** (Kleinsorge '42) M (Lav.-Grey Sdlg. 233: (Purissima x Cameliard) x?) x (Aztec Copper) Rich coppery-plum, henna and brown blend—quite on the order of Cape Bon. We like it very much. Rather poor grower in some places\$2.00
- BELLE AMIE** (J. Ohl) (See 1949 Introductions)
- BELLERIVE** (C. Benson) (Birchbark x Gallant Leader) Guest.
- BELMONT** (Williams '38) M (Souv. de Mme. Gaudichau x Ann Page: Trojana x Caterina) A good old blue, valuable for breeding\$5.00
- BERKELEY BLUE** (Salbach '44?) E (Purissima x Sdlg.) Smoothly finished blue\$1.50
- BERKELEY GOLD** (Salbach '42) M (Radiant x Sdlg.: Happy Gift x Natoma) Rich brilliant deep yellow. A. M. 1946\$1.50
- BERTHA GERSDORFF** (J. Sass '42) M (two yellow plic. Sdgs.) Yellow and rosy-purple fancy. Plant near Lemon yellows to bring out its beauty\$1.50
- BEVERLY** (Lapham '39) M (No-we-ta x Sdlg.: Milgard x Aphrodite) Pink Diploid\$3.35
- BILLET-DOUX** (Douglas '47) M (Calling Me: Purissima x Opal Dawn) x (Caroline Burr) Short blue border iris\$3.00
- BILLOWY SEA** (Norton '44) (Great Lakes x Shining Waters) Blue sister to Sylvia Murray, shades darker, different form\$2.00
- BIRCHBARK** (Kleinsorge '40) M (Decended from Purissima) Fine white. Good pod parent of quality seedlings\$5.00
- BLACK AND GOLD** (Kleinsorge '43) M (Yakima, Cameliard, Burning Bronze, Purissima, Jean Cayeux, Crown Prince) Good variegata\$2.50
- BLACK BANNER** (Nicolls '47) (Smolder x The Black Douglas) Black-purple with reddish undertone. H. M. 1947\$4.00
- BLACK FOREST** (Schreiner '45) M (Dymia x Ethiopie Queen) The blackest to date. Neither large or tall, but good. A. M. 1948.....\$6.00
- BLACK HAWK** (Schreiner '41) E (Lutin x Black Wings) A true intermediate\$7.50
- BLUE CROWN** (Washington '45) M (?) Good blue-white. Standards slightly darker, but essentially a self here.\$3.50
- BLUE DIAMOND** (Nichols '38) E-M (Miss Wilmot x Santa Barbara) Good light blue, tender, not too much substance, but should breed fine blues and whites\$7.50
- BLUE ELEGANCE** (Jory '48) E (Purissima x Capitola) Breathtaking, this and its sister, Morning Blue. Wide, flaring form with that Elmoehr or Lady Mohr look\$20.00
- BLUE FRILLS** (Stephenson '46) M (Aline x Missouri) Quite a different shade of blue. Should be a good parent\$5.00
- BLUE PETER** (White '36) M (Acropolis x Modoc) Fine dark purple bi-coolr\$4.40
- BLUE RIM** (C. Larsen '48) M (Purissima x Alameda) x (Aldura) Wide, round blue and white plicata. H. C. 1947\$15.00
- BLUE RHYTHM** (Whiting '45) M (Annabel: Blue Triumph x Aline) x (Blue Zenith) Classic medium-blue. Tops for our money, and a perfect grower. A. M. 1947\$7.50
- BLUE SHIMMER** (J. Sass '42) M (H. Sass 65-35) x (Sdlg: Blue Monarch x Blue Hill) Stunning, that's all, this blue and white plicata. A. M. 1944\$2.50
- BLUE SPIRE** (Milliken '39) E (Purissima x Wistaria) Lovely light blue. We like it for breeding blues and whites. Parent of Mirror Lake\$1.00
- BLUE VALLEY** (Smith '47) M (Lake George x Great Lakes) Undisputed, it is blue. Vigorous grower. H. M. 1947\$18.00
- BLUE VIOLET** (Craig '48) (San Diego x Sierra Blue)
- BLUE ZENITH** (Whiting '42) (Blue Hill x Sierra Blue) Parent of Blue Rhythm.
- BLUMOHR** (Marx '49) (Wm. Mohr x Orloff) Mr. Marx's new introduction. It may be seen here. For sale by the introducer. H. C. 1948.
- BRIARWOOD** (Hall '47) (Pink and Yellow Blend x Lullaby)
- BRIGHT LIGHTS** (Schreiner '46) M (Naranja x Siegfried) Bright yellow plic. on the order of Tiffanja\$5.00
- BRIGHT MELODY** (Snyder '41) E-M (Melchoir x Pioneer) Mulberrypink, similar to Inspiration, only smaller and heavier substandard\$2.50
- BRILLIANT AMBER** (Salbach '47) (?) Large, light peach blend. H. M. 1947\$10.00
- BRONZE BROCADE** (Nesmith '48) (Sequatchee x Tobacco Road) H. M. 1948
- BRONZED COPPER** (Kleinsorge '43) M (Sister to Auburn) Brilliant coppery blend with a blue flush on falls\$1.50
- BRONZE IMAGE** (Kirkland-Williams '40) (2 Sdgs.) Big reddish-bronze\$0.50
- BROWN BONNET** (Gage '41) (King Midas x Rosy Wings) Nice brown\$1.00

- BROWN BOY** (Salbach '40) (Copper Lustre x Radiant) Bright copper. A good grower \$5.50
- BROWN STAIN** (Muhlestein '48) (Grand Canyon x Stained Glass) Big, showy red-copper-brown. Stunning in the garden. Refuses to set seed, but has somewhat fertile pollen. C. of C. 1947\$10.00
- BROWN THRASHER** (Kirkland '41) (Copper Lustre x ?) Light brown. A. M. 1943.....\$2.00
- BRYCE CANYON** (Kleinsorge '44) M (Mexico x Tobacco Road) Stunning copper auburn-brown. Wonderful parent both ways. A. M. 1947. Runner-up for 1948 Dykes Medal.....\$6.00
- BURGUNDY ROSE** (Hall '46) M (Victory: Elizabeth Egelberg x Dauntless) x (May Day) Striking, huge amethyst, coarse on close inspection\$5.00
- BURMESE GOLD** (Whiting '45) M (Sdlg.: Happy Days x E. B. Williamson) x (Prairie Sunset) We like this about as well as any P. S. seedling we've seen. A smooth blend of quality\$5.00
- BURMESE RUBY** (Muhlestein '49) (See 1949 Introductions)
- BURNISHED GOLD** (Kirkland '40) (Aztec, Midas, W. R. Dykes, etc.) Rich yellow with coppery undertone in falls. Does well in California\$5.50
- BUTTERCUP LANE** (Hall '41) (Rameses x Jean Cayeux) x (Salutation) x (Golden Hind) Yellow with rich orange beard. This, cloth of Gold and Aglowing are our favorite Golden Hind seedlings. H. M. 1940\$7.50
- BUTTERFLY WINGS** (White '46) (Pink Jadu x Susiana) x (Theme x Sacramento) Stunning, odd, different, like the wings of an exotic butterfly. H. M. 1947\$7.50
- CAHOKIA** (Faught '48) (Purissima) x (B 31: Purissima x Santa Barbara) x (63 E 1: (B 31 x Santa Clara: Santa Barbara x Souv de Mme. Gaudichau) Stunning light blue. Quality that will breed good blues and whites\$20.00
- CALIFORNIA PEACH** (Salbach '41) (Natoma) x (Mary Geddes x Miss Calif.) Light peach blend. H. M. 1941\$1.00
- CALIFORNIA TREK** (White '41) M (Incognito x Chosen) Wide light primrose yellow. Quality.\$1.50
- CAMEROUN** (Cayeux '38) (?) Lustrous deep purple\$1.00
- CAMPFIRE GLOW** (Whiting '47) M (Amaranth x Three Oaks) Called a "Hot red." Said to be superb. Small rhizomes. H. M. 1947\$20.00
- CANYON ROAD** (Kleinsorge '46) M (Oregon Trail) x (Old Parchment) x (Tuscany Gold x Rameses) Copper-tan blend\$5.00
- CAPE BON** (Tompkins '45) M (Aztec Copper x Veishea) Smoothly finished red with rich copper undertone. Fine parent. H. M. 1945\$15.00
- CAPISTRANO** (Tompkins '47) M (4 E 38: Wm. Mohr x Mussolini) x (Intermezzo: 4 E 38 x Far West) Interesting light blend with double Wm. Mohr blood. Fertile\$5.00
- CAPITOLA** (Reinelt '40) E (Wm. Mohr x Ibmacrantha) Larger, better formed Wm. Mohr. Fertile pollen when it has any. Parent of Lady Mohr, Blue Elegance, Morning Blue, Peg Debagh. H. M. 1947\$1.00
- CAPTAIN WELLS** (Cook '41) M (Same blood as Action Front) Flaring black-maroon red. So dark it burns. Lovely. A. M. 1943.....\$1.50
- CARLSBAD CAVERNS** (Wilson '46) M (National White x Spun Gold) Standards lemon-yellow. Falls white edged yellow. Huge. Use for creams, whites and yellows.....\$2.50
- CARNIVAL PARADE** (H. Sass '46) M (38-36 x 44-36—undoubtedly from Orloff and Tiffany lines) Massive yellow plicata.....\$1.50
- CAROLINE BURR** (Smith '40) M (Easter Morn x Madam Maurice Lassailly) Large greenish-cream. Easy pod parent. Use for creams, whites, blues and neglectas. A. M. 1942.....\$1.50
- CARVED IVORY** (Essig '36) E-M (Calif. Blue, Argentina, Conquistador, Miss Willmott and Sherbert) x (W. R. Dykes) We like this clean ivory\$5.50
- CASA MORENA** (DeForest '43) M (Morning Splendor, Germain Pertheus, Alta Calif., Rubeo, Grace Sturtevant) x (Prairie Sunset) Lively Burnt Sienna and Chestnut. A really fine parent for rich things. A. M. 1946.....\$4.00
- CASCADE SPLENDOR** (Kleinsorge '45) ML (Mexico x Goldbeater) Ruffled pinkish-apricot blend. A. M. 1947\$6.00
- CEDAR ROSE** (Whiting '41) M (Matula x Summer Tan) Red-brown blend. Excellent parent\$1.00
- CHAMOIS** (Kleinsorge '44) M (Mexico x Tobacco Road) Simply stunning, this subtle light golden tan. Sister to Bryce Canyon. Wonderful parent. A. M. 1948\$6.00
- CHANTILLY** (Hall '45) M (Maiden Blush x Pink Sdlg.) Heavily ruffled orchid-pink blend. With Gold Ruffles gave me an interesting lot of heavily ruffled lovelies. A. M. 1947.....\$5.00
- CHARLIE GERSDORFF** (Lapham '48) (Copper Rose x Red Gleam)
- CHERIE** (Hall '47) M (42-07: Golden Eagle x 3962) x (Fantasy: 4097 x 39-62) Wide, heavy substance flaring pink of quality. H. M. 1947\$20.00
- CHICORY BLUE** (Douglas '42) M (Shining Waters x Stella Polaris: Easter Morn x Violet Crown) Well named. H. M. 1942\$2.50
- CHIEF POKING FIRE** (DeForest '42) M (Alta Calif. x Jean Cayeux) x (E. B. Williamson) Bright red that will please any gardener, and watch it for breeding!\$1.00
- CHINA MAID** (Milliken '36) E-M (Mauna Loa: Mesopotamica x Lent A. Williamson) x (Dauntless) Pink blend with lovely perfume. A. M. 1939\$7.50
- CHIPPEWA** (Salbach '43) (Orloff) x (Seduction x Comstock) x (Alta Calif.) Clear yellow plicata\$5.50
- CHIVALRY** (Wills '44) M-L (Missouri x Great Lakes) Large ruffled dark blue. Dykes Medal 1947\$10.00

- CHI-YUN** (DeForest '47) (Snow Flurry x Azure Skies) Large clean white. Watch this as a breeder. Should be tops, if you want whites, blues or violets\$6.00
- CHOIR BOY** (Schreiner '47) L (King Juba x Dorothy Dietz) x (Cantabile) Amoena.....\$2.50
- CHOSEN** (White '37) M (Mirasol x Purissima) x (Rubeo) Large clean yellow. A fine parent\$6.00
- CHRYSOLITE** (Milliken '41) M (Easter Morn x Lady Paramount) Large cream that flecks at times. Rich beard. Difficult parent.....\$7.50
- CIGARETTE** (Brehm '46) M (?) Pongee-cream. May be useful with the Shell pinks\$3.50
- CITY OF LINCOLN** (H. Sass '37) L (Al-lu-we x ?) Top flight variegata. Good pollen parent for this color and plicatas. A. M. 1939\$5.00
- CLARET VELVET** (Weed '41) M (?) "Impossible" parent. Lovely Claret-wine\$5.00
- CLOTH OF GOLD** (Whiting '45) M (Golden Hind x Golden Spike) Tall, rich yellow that will command attention. H. M. 1947.....\$3.00
- CLOUD CASTLE** (Graves '44) M (Sensation x Gloriole) Wide light blue. Pollen parent of Helen McGregor and Lady Boscawen. H. M. 1944\$2.25
- CLOVELLY** (Tobie '40) M (Easter Morn x Rose Dominion) Greenish-cream. Should be useful for greens. Pod parent of Reveille. Scarce variety\$1.50
- COLORATURA** (DeForest '46) M (E. B. Williamson x Prairie Sunset) Russet or golden-orange self. Will be a remarkable parent for blends and oranges\$4.00
- COOL LEMONADE** (Muhlestein '47) E (Electra x Bonanza) This, with Mount Timp, opens the Tall Bearded Season. For a clean lemon-yellow self (even to the beard) you can't beat it. One of my pets\$7.50
- CONGO PRINCESS** (Whiting '47) M (Rubeo x Smolder) New dark purple with red undertone\$1.00
- COPPER CASCADE** (Kleinsorge '40) M (Treasure Island x Far West) Lighter Tobacco Road. Miffy grower. Sister to Grand Canyon, etc.\$5.00
- COPPER GLOW** (Douglas '45) M (Gay Troubadour) x (Red Bonnet) x Soldano x China Clipper) Rich piece of copper. Grand. H. M. 1945\$5.00
- COPPER RIVER** (DeForest '45) M (E. B. Williamson x Fortune) Small blend, should be a good parent\$6.00
- CORDOVAN** (Kleinsorge '46) M (314 x Bryce Canyon) Rich red-brown in great demand. Will make a breeder. H. M. 1947\$4.00
- CORITICA** (H. Sass '42) M (50-34 from: No. 2, Amas, Rameses x Amitola) x (Tiffany) A sister to Ruth Pollock which we like better\$1.50
- CORNFLOWER** (Whiting '48) M (Sea Blue x Great Lakes) Medium sized flower, but quite blue. We liked it\$4.00
- CORONADO** (Tompkins '45) E-M (Flora Campbell x Golden Spike) Wide early yellow. A parent for reds, blends and yellows\$3.50
- CO-STAR** (White '47) E (Probably Symbol: Naranja x Fiesta) Coppery-orange bi-color. Tall\$2.00
- COURTIER** (Hall '47) M (42-10 x 42-05) The pinkest bit of fluff for color, but poor form, and size. This would be delightful en-masse\$10.00
- CREAM GOLD** (Muhlestein '47) M (Fort Knox x Dr. Loomis' "Type Dore": A Sea Shell Seedling) Yellow standards, white falls edged yellow. Should produce shell pinks\$1.50
- CREAMO** (Fitzpatrick '45) E-M (Sdlg. x Golden Madonna) Not unlike Amandine, and since it is earlier there is a place for both. We like it\$1.50
- CYNTHIA ANN PARKER** (Whiting '47) EM (Shining Waters x Gloriole) A good blue\$1.00
- DAMERINE** (Gage '39) M (Dauntless x Red Sdlg.) Dark red self. H. M. 1941\$7.50
- DAMASCUS** (Tompkins '45) E-M (Spring Prom x E. B. Williamson) x (Cedar Rose) Orange-yellow bi-color not unlike Rocket\$7.00
- DANUBE WAVE** (Schreiner '47) E-M (Anitra x Narain) Splendid marine blue. H. M. 1948\$7.50
- DAWN OF GOLD** (Salbach '40) L (Bronze Beacon x San Francisco) x (Golden Majesty) Good late yellow. Plicata blood here from both parents\$1.00
- DAWN OVERLAY** (Muhlestein '47) M (Came-lina x City of Lincoln) Flaring pale lemon-yellow brushed over with cinnamon tan. Plant with Cool Lemonade and Elsa Sass colors\$3.00
- DAYBREAK** (Kleinsorge '41) M-L (Far West) x (Jean Cayeux x Far West) Pinkish-tan blend; not at all exciting, but produces smooth seedlings. A. M. 1943\$2.00
- DEB'S DELIGHT** (Hall '46) M (?) Excellent, large, tall light pink that would cause us to throw out Flora Zenor for garden effect as well as breeding. We will say it is the best inexpensive pink\$2.00
- DEEP BUTTERCUP** (Muhlestein '48) M (Brown Betty: Mauna Loa x Oncocyclus) x (Golden Eagle) Huge, rich buttercup yellow, a bit narrower than we had remembered it. H. C. 1947\$7.50
- DEEP NIGHT** (Corey '48) (Cyrus The Great x Ozone) H. M. 1948
- DEEP VELVET** (Salbach '39) M (San Diego Sdlg. x Modoc) Rich smooth purple. A "must" for every fine collection. Good parent. A. M. 1942\$1.00
- DESERT SONG** (Fay '46) M (Snow Flurry x Golden Eagle) Wide, ruffled, heavy sub-stanced cream with a strong stalk. Recommended for pinks, creams and yellows. H. M. 1946\$10.00
- DESERT SUNSET** (Milliken '47) (?) Rich new blend\$20.00

- DISPLAY** (Grant '42) M (The Red Douglas x Christabel) Dark red-purple. H. M. 1942 **\$1.50**
- DISTANCE** (Cook '46) M (Castalia x Santa Barbara) x (Great Lakes) Smooth medium-blue. H. M. 1946 **\$9.00**
- DIVIDEND** (Douglas '44) L (Sundance x Glen Ellen) Here is one to help close the season. Yellow **\$1.50**
- DOMINION REX** (Kirkland '36) M (Morning Glory x Dominion) Bi-blue — almost a neglecta **\$3.35**
- DOROTHY DIETZ** (Williamson '29) (Wyoming x Lent A. Williamson) Amoena that may still be useful for breeding this color. An easy pod parent **\$3.35**
- DREAMCASTLE** (Cook '43) (Involving: Geo. J. Tribolet, Dominion, Windham, Mme. Cherie, Morning Splendor, Susan Bliss) x (Rameses) Wide Orchid in great demand. A. M. 1948 **\$7.50**
- DREAM GIRL** (Hall '44) (40-34 x 39-62) Small pink, but a lovely color. Rhizomes small **\$5.00**
- DREAMLAND** (Snyder '45) M (trojana x Pioneer) x (Ricardi x Moa) Hollyhock red. Rampant grower. Should make a fine breeder for reds **\$3.00**
- DREAM LAKE** (Covert) (Buechley Giant x Blue Monarch)
- DRUM MAJOR** (Douglas '47) (Display) x (sdlg. involving: Francesca, Jeb Stewart, Soldano, Gallant Leader) Bold new red **\$12.50**
- DUSKY NIGHT** (Whiting '48) M (Missouri x Mata Hari) x (Sable) The name does it **\$1.00**
- EASTER BONNET** (Maxwell-Norton '44) M (Morocco Rose x Alastor) Rodenite pink edged gold. H. M. 1946 **\$1.50**
- EASTER MORN** (Essig '31) M (Calif. Blue) x (Argentina x Conquistador) Flaring white. Splendid parent both ways. A. M. 1933 **\$4.00**
- EASTER SUNRISE** (C. Rees) M (Snow Flurry x Happy Days) Creamy-yellow **\$1.50**
- EBONY ECHO** (Tompkins '48) M (Cape Bon x Casa Morena)
- EBONY QUEEN** (Sass Bros. '47) M (Dark sdg. x Sable) Well branched Sable type. A good one for the Mid-west. H. M. 1947 **\$6.00**
- EDITH RORKE** (Smith '46) M (Valentine x Florentine) Precisely stitched blue and white plicata. Said to be fine in clumps. H. C. 1945 **\$6.00**
- EDWARD LAPHAM** (Lapham '42) ML (Omaha x Jerry) x (Rubeo) Quite red **\$3.00**
- ELAN** (White) E (Sweet Alibi: Mirasol x Purissima) x (Jocund) One-fourth Onco blood. Ruffled white. Tender **\$5.00**
- ELENA CHOOSING** (White '44) EM (Answer: Fiesta x Chosen) x (Jocund) Half-sister to Elan. Wide golden-bronze blend. Easy parent **\$1.50**
- ELLA CALLIS** (H. Sass '42) M (2-34: must be Naranja blood here) x (32-28: Midwest Gem x Prairie Sunset) Yellow standards, falls orange. Sunburns. Plant in shade. Showy **\$2.00**
- ELMOHR** (Loomis '42) M (Wm. Mohr x red sdg. H. 22) Half-sister to Morocco Rose. The sensational Mulberry-purple; winner of the 1945 Dykes Medal. Easy to grow. Fast of increase **\$1.00 each 3 for \$2.50**
- ELSA SASS** (H. Sass '39) M (Tiffany x Orloff) Light lemon-yellow with white area in falls. Breeds plicates and fine lemons **\$6.00**
- EPISODE** (White '45) E-M (Naranja x Fiesta) Lovely apricot blend. Should produce fine orange seedlings **\$1.50**
- ESDRAELON** (White '45) M (Landmark: Onco x bearded) x (?) Rich purple you'll like. We do **\$3.00**
- ESQUIRE** (Lothrop '45) M-L (L-8-40 x Brunhilde) Medium deep purple with texture veining in falls. Lovely shape and form. H. M. 1947 **\$7.00**
- EXQUISITE** (Nesmith '47) M (Pink Marvel x Melitza) Another of the congo pinks. H. C. 1945 **\$15.00**
- EXTRAVAGANZA** (Douglas '44) L (Adios x Cortez) Cream standards, red falls. No pollen, difficult pod parent. Crossed with Wabash has produced some exciting new Amoenas. A. M. 1947 **\$8.00**
- FAIR ELAINE** (Mitchell '38) M (Happy Days x Calif. Gold) Bi-yellow. A. M. 1940 **\$7.75**
- FALL DAYS** (Smith '47) M (Matula x Orange Glow) Bi-red-copper. H. M. 1947 **\$15.00**
- FANTASY** (Hall '47) E (40-97: Lullaby sdg. x 39-62) Rose-Orchid pink with tangerine beard. H. M. 1947 **\$20.00**
- FAR WEST** (Kleinsorge '36) M (Mme. Cecile Bouscant x Dolly Madison) x (Pres. Pilkington) Blend. A great progenitor—still of value for breeding. H. M. 1937 **\$4.00**
- FAVORI** (Cayeux '34) M (?) Splendid plum-purple. Plant in shade **\$3.35**
- FIRECRACKER** (Hall '43) M (Orloff x Elsa Sass) Red and Yellow plicata. H. M. 1943 **\$3.50**
- FIRE DANCE** (Fay '47) M (Elsa Sass x Orloff x (Sister sdg.)) Quality red-trimmed plicata in the same color range as Rare Marble. H. M. 1947 **\$10.00**
- FLAMELY** (Cook '43) M (E. B. Williamson x sdlg.) Silken red with orange undertone **\$1.50**
- FLORA CAMPBELL** (Hill-son '40) M (Sdgs. from King Tut x El Tovar lines) Excellent red. H. M. 1940 **\$5.00**
- FLORADORA** (Hall '47) M (42-10 x 42-05) Hall flamingo pink. Sister to Courtier, but larger, better formed **\$7.50**
- FLORA ZENOR** (J. Sass '42) M (Dore x ?) Quite pink en-masse. A. M. 1944 **\$1.00**
- FLORENTINE** (Cayeux '37) M (Chaldee x Sigurd) Really fine, heavily dotted and marked plicata. Large. A. M. 1940 **\$7.50**
- FLUTED ARROW** (M. Tharp '46) M (Zasu x Susan Bliss) x (Midwest) x (Christine Gray) A lovely diploid plicata. Makes a beautiful clump. Fine for cutting **\$2.00**

- FORT KNOX** (Milliken '41) E-M (Sungold x Chosen) Waved, clean yellow. A. M. 1944\$1.00
- FORTUNE** (Kleinsorge '41) M (Old Parchment) x (Tuscany Gold x ?) x (Rameses) Coppery golden yellow. Wonderful parent\$1.00
- FORTUNE'S FAVOR** (DeForest '44) M (E. B. Williamson x Fortune) Huge golden-tan. Produces unusual seedlings\$4.00
- FRANCELIA** (McKee '45) M (Golden Majesty) x (Helios x Janet Butler) Similar in color to Spun Gold. H. M. 1944\$4.50
- FRANK ADAMS** (Lapham '37) M (Rameses x Jerry) Rosy-buff variegata. Produces Shell pinks, when bred with them occasionally. A. M. 1940\$5.50
- FRANK DRAKE** (Grant '47) M-L (Snoqualmie x Golden Treasure) Perfection of form, grand substance. Yellow standard, white falls flushed chartreuse around beard\$7.50
- FRANKLIN B. MEAD** (Mead-Reidle '36) M (Los Angeles x True Charm) Los Angeles type plicata. Easy grower\$5.50
- FROSTY BLUE** (Whiting '41) M (Shining Waters x Gloriole) Nice blue. With this blood should breed splendid blues and whites. Use on Lady Boscawen, Helen McGregor, Great Lakes, Azure Skies, Cloud Castle\$1.50
- GALLANTRY** (Whiting '45) M (Winneshiek x Mata Hari) Ruffled, deep blue not unlike Chivalry\$5.00
- GARDEN FLAME** (H. Sass '41) M (83-34 x 42-35: (Miss Aravilla) x (King Tut x Cardinal) Superb garnet red. Wide. A. M. 1943\$1.50
- GARDEN GLORY** (Whiting '43) M (The Red Douglas x Garden Magic) Most highly finished Bordeaux red. Fertile pollen, difficult pod parent. A. M. 1947\$5.00
- GARDEN MAGIC** (Grinter '36) L (Wotan x Ella Winchester) Late red. A splendid parent, but difficult to set pods. Slow to establish. H. M. 1937\$1.00
- GAY ORCHID** (See 1949 Introductions)
- GAY SENORITA** (Salbach '44) M (Alta Calif. x Sdlg.) x (Miss Calif.) x (Happy Gift: Dauntless x W. R. Dykes) x (Sdlg.) Unusual variegata—falls all lined with chestnut. H. M. 1945\$2.00
- GAY TROUBADOUR** (Hall) M (Coronet x Prairie Sunset)
- GEMS OF TOPAZ** (Wilson '48) (Prairie Sunset x Tobacco Road)
- GENERAL MAC ARTHUR** (National '43) M (?) Huge cream-yellow\$1.00
- GENERAL PATTON** (Kleinsorge '47) M (310 x Bryce Canyon) Bright red-copper. H. M. 1947\$15.00
- GENTLE FLORENCE** (C. Taylor '47) E-M (Snow Flurry x Violet Symphony) Wide, ruffled, blue-white, well branched. Fine parent for whites, blues, and violets. H. M. 1947\$10.00
- GILT EDGE** (Whiting '41) M (Happy Days x Matula) Yellow bi-color. Splendid parent for many colors\$1.00
- GLAD TIDINGS** (Whiting '47) M (Amitola x Copper Piece) x (Amaranth) Heavy substant wax-yellow. Close branching, but an exciting parent\$4.00
- GLISTENGLOW** (See 1949 Introductions)
- GLORIOLE** (Gage '33) M (Souv. de L. Michaud x Queen Caterina) One of the greatest parents for blues and whites, and still a grand light blue iris. A. M. 1935. (Its hybridizer is no longer with us. We have lost a distinguished gentleman, but his irises live on to cheer the hearts of man)\$5.50
- GLORY** (Kinish '47) EM (Shining Waters x Gudrun) A splendid light yellow\$5.00
- GOLDBEATER** (Kleinsorge '44) L (Rebellion x Naranja) x (Far West) Proving a remarkable parent for blends, yellows and oranges. A brilliant clump of yellow for the garden. H. M. 1945\$3.00
- GOLDEN EAGLE** (Hall '42) M (38-26: (36-11: W. R. Dykes x Dolly Madison) x (Morocco Rose) x (Prairie Sunset) Huge smoothly finished yellow. We cannot praise it too highly as a breeder's iris for producing smooth pinks, orchids and blends — many with tangerine beards. It produces size, substance and vigor in its seedlings. Who could ask for more? H. M. 1942\$1.50 3 for \$3.50
- GOLDEN EPAULETS** (Grant '46) M (Sunday Best x Chosen) Cream-yellow with deep gold on hafts\$4.00
- GOLDEN FLEECE** (J. Sass '40) M (Siegfried x Dore: Wambliska x Rameses) Bright lemon-gold spangled beauty. With plicatas and lemon-yellows gives fine results in these colors. A. M. 1942\$1.50
- GOLDEN HIND** (Chadburn '34) EM (Gold Imperial x W. R. Dykes) Brilliant, smooth yellow. Dykes Medal 1934, Eng.\$3.35
- GOLDEN LUSTRE** (P. Fass '48) E (Alta California x Golden Hind) Good early yellow, and a fine combination of bloodlines....\$3.50
- GOLDEN MADONNA** (Essig '36) E (Y. 966 A x W. R. Dykes) This light bi-yellow will please\$1.50
- GOLDEN RUFFLES** (C. Taylor '46) EM (Margaret Bond x Vivacious) Wide, smooth, well branched yellow that won the Southern California Iris Society's popularity poll, and other high awards. Should produce splendid seedlings as it has Happy Days, Naranja, Purissima and Mirasol back of it. Everyone likes it. H. M. 1946\$7.50
- GOLDEN RUSSET** (Hall '46) EM (Invictus x 38-52) x (Golden Eagle) The largest Russet iris we have seen. H. M. 1947\$7.50
- GOLDEN SPANGLE** (Cassebeer '44) EM (Evolution x Happy Days) Brighter, yellower, Golden Fleece. Showy. H. M. 1944.....\$1.00

GOLDEN SYMPHONY (Horton '44) L (Plurabelle x Rameses) Brilliant yellow standards, falls lavender-blue edged yellow. Very late to bloom, and a nice show of color. We have tried to give it a boost for we like it—so do our garden visitors. It will be popular when distributed. Scarce\$9.00

GOLDEN TREASURE (Schreiner '36) M (Pluie D'or x W. R. Dykes) Light yellow still in great demand. A. M. 1938\$5.00

GOLD RUFFLES (Muhlestein '47) M (Mary Rich Lyon: Purissima x Pluie D'or) x (Midwest Gem) The largest most heavily ruffled yellow we have grown. It is producing remarkable seedlings for substance, ruffling and color; from white, pinks, to rich blends. H. M. 1948\$10.00

GOLD RUSH (Essig '46) EM (Golden Hind x Sdlg.) Larger, better formed Golden Hind\$5.00

GOOD NEWS (Kleinsorge '46) M (Mexico x Tobacco Road) Our favorite in the rich golden browns. A sister to Bryce Canyon but lighter and more the form and shape of Tobacco Road. Undoubtedly will be a superb parent. H. M. 1947\$5.00

GRACE MOHR (Jory '35) EM (Wm. Mohr x Yel. Mitchell sdlg.) Very tall, flaring lavender with the "Mohr" veining. Produces viable seed. By Cool Lemonade gave me several passable seedlings, but nothing before this. A. M. 1938\$7.50

GRAND CANYON (Kleinsorge '41) M (Treasure Island x Far West) Coppery, plum blend our garden visitors all like. We think it will be an important parent. Our few tries with it gave us Brown Stain which we like. A. M. 1944\$1.00

GREAT LAKES (Cousins '38) M (Dominion x ?) x (Conquistador x ?) Flaring blue that is both good and dependable. We regard this as highly for breeding blues as we do Golden Eagle for other colors. Dykes Medal 1942\$1.00

GREENGLOW (See 1949 Introductions)

GULF STREAM (Fay '46) EM (Dymia x Narain) Impressed us greatly as a dark, dark blue on a two year plant. Should make a breeder. H. M. 1946\$6.50

GYPSY (Kleinsorge '45) L (Rebellion x Naranja) x (E. B. Williamson) Really a different variegata. Coppery-gold standards, chestnut falls. Tall, well branched. H. M. 1945. (Watch it breed reds, coppers, oranges\$2.00

GYPSY BARON (Schreiner '42) M (Claribel x Mme. Louis Aureau) Heavily marked purple plicata. Fertile pollen on Wm. Mohr lines\$1.50

GYPSY KING (Lothrop '44) EM (Sdlg. x Far-cross) Rich Mulberry. Wide. 1-8 Onco\$1.50

GYPSY MAID (Gage '45) M (Arethusa x Red Bonnet) Somewhat similar to Lancaster, but taller. Nice\$1.50

GYPSY ROSE (Whiting '46) M (Amaranth x Three Oaks) Red, copper and blue all skillfully blended into a beautiful iris. Can't miss as a sure-fire breeder for reds and rich blends\$10.00

HALLELUIAH (Welch '46) EM (Gudrun x Easter Morn) Fine white. This is going to breed whites and put it to Great Lakes for superb blues\$9.00

HARRIET THOREAU (Cook '44) M (Sister to Dreamcastle) Clean Orchid-lavender pink. H. M. 1945\$3.00

HARMONETTA (White '45) EM (Undoubtedly from Purissima lines) Smoothly finished light blue—not yet well known. Scarce. Should be a good parent\$5.00

HAUGHTY (Welch '46) M (Calif. Gold x Easter Morn) Wide cream. Should be a splendid parent for whites, creams, lavenders, yellows\$6.00

HELEN FITZGERALD (Thorup '48) ML (Purissima x Wasatch) x (Dolly Madison x W. R. Dykes) x (Souv. de Mme. Gaudichau x Ricardi) Huge lobelia violet self. Beautiful under artificial light or indoors. H. C. 1947\$20.00

HELEN MCGREGOR (Graves '46) M (Purissima x Cloud Castle) Light blue sensation everyone wants. Will make a magnificent parent. Plant in partial shade to hold the color. The substance will "take" anything. H. M. '46, A. M. 1948\$10.00

HER GRACE (DeForest '43?) M (Purissima) x (Alta Calif. x King Midas) Hortense violet. Grand parent for many colors\$1.00

HIT PARADE (Hall '47) M (Sister to Flora Dora and Courtier) Flamingo pink that will be enchanting en-masse\$10.00

HONEYFLOW (Tompkins '44) M (Aztec Copper x Veishea) Smooth blend of Meadow-sweet-rose brushed copper. Really stunning when beautifully grown. Heavy substance. A remarkable parent. Use with blood of Bryce Canyon, Tobacco Road or Prairie Sunset.\$10.00

HOOGIE BOY (See 1949 Introductions)

HOOGSAN (See Hybrids)

HOWARD WEED (Kleinsorge '47) (314 x Bryce Canyon)

HOWDY (Clevenger '46) M (Gudrun x Buechley Giant) Large, heavy substandard blue-white\$1.00

ICY BLUE (National '40) M (?) Good light blue\$6.00

ILLINOIS SUNSHINE (Faught '46) E (Happy Days x Jean Cayeux) Very large brilliant yellow. Grand\$5.00

ILLUSION (Kleinsorge '43) L (Ormohr x Red Cross) Light orchid-pink self. Beautiful. No pollen, but will set some seed. H. M. 1947\$4.00

INDIANA NIGHT (Cook) M (Valor x Sable) Larger, blue-purple Sable. A. M. 1944.....\$4.00

INDIAN HILLS (Grant '35) M (Pioneer x Cardinal) Dependable, good purple\$4.00

INNOVATION (Hall '45) M (Claribel x Sachem) x (Orloff) Neat rose trimmed yellow plicata. H. M. 1947\$3.00

INSPIRATION (Stevens '37) EM (Pioneer x Magnifica) Simply huge Mulberry-pink, lacking a bit in substance, but worthwhile\$1.50

- IVORY CHARM** (Whiting '47) M (Priscilla x Baghdad) Wider, larger Golden Treasure type. Will make a fine parent for whites, yellows, creams, blends and perhaps reds...**\$2.50**
- JAKE** (J. Sass '43) M (Tiffany x Maid of Astolat) Splendid white with inner lemon cast. An easy grower**\$6.00**
- JASPER AGATE** (Mrs. T. A. Williams '43) M (Junaluska x Consort) x (Cheerio) Brilliant, small low-growing red copper. H. M. 1944**\$3.00**
- JAVA SKY** (Wareham '42) M (Dominion x trojana sdls.) Unusual blending of many colors**\$8.50**
- JOAN LAY** (Chadburn '39) ML (Purissima x Gold Imperial) x (Golden Hind) Bright yellow sister to Mable Chadburn. A. M. Eng. 1941**\$1.00**
- JULIET** (Kleinsorge '46) EM (269 x Prairie Sunset) Flame copper with salmon shadings. Use with Cordovan, Bryce Canyon, Honeyflow, Cape Bon, Three Oaks, Golden Eagle, Good News, Chamois, Goldbeater, and Cascade Splendor for wonderful things. H. M. 1947**\$5.00**
- KANSAS INGLESIDE** (Hillson '39) M (King Tut x Autumn Haze) Re-blooming red. H. M. 1947**\$1.00**
- KATHERINE FAY** (Fay '45) M (Gloriole x 39-3) Large warm white. A grand parent for whites and blues**\$5.00 3 for \$11.00**
- KEP 'EM FLYING** (Luell '42) M (Evolution x Waconda) Changeable colors like a bronzy-red pigeon's breast**\$2.50**
- KLONDYKE GOLD** (Kirkland-Williams '41) M (Marvelous x ?) Large, showy yellow that will please anyone**\$1.00**
- KOREA** (Whiting '48) M (Matula x Garden Magic) x (Prairie Sunset) Unusual shade of red. Watch it produce some winners...**\$5.00**
- LADY BOSCAWEN** (Graves '46) M (Purissima x Cloud Castle) Grand new white. It will be a superb parent. A. M. 1948**\$7.50**
- LADY LOUISE** (Graves '47) M (Snow Carnival x Katherine Larmon: Jean Cayeux x Summer Tan)
- LADY LOVE** (Douglas) (Titian Lady x Melitza)
- LADY MOHR** (Salbach '44) M (King Midas x Alta Calif.) x (Capitola) Nothing like this. Oyster blue-white standards, pals chartreuse falls with "onco" veining and signal patch at beard. Will set seed. Some reports of fertile pollen, but I have not found it so. Plant near Lemon-yellows and Elmohr to bring out beauty. A. M. 1946 **\$5 3 for \$11.00**
- LADY NAOMI** (Fay '41) M (Violet Crown x Shining Waters) Over-all patterned plicata. H. M. 1942**\$7.50**
- LADY OF SHALOTT** (Schreiner '42) M (Rosy Asia x Mme. Louise Aureau) Very delicately marked plicata with cream ground...**\$1.50**
- LA GOLONDRINA** (Tompkins '46) EM (Brunhilde x Lilimani) Similar to Gulf Stream. Should produce fine purples and "blacks."**\$7.50**
- LAKE BREEZE** (Fay '45) M (Gloriole x Ballet Girl) Light Blue with quality written all over it. Difficult parent—no pollen. H. M. 1945**\$5.00**
- LAKE GEORGE** (K. Smith '45) (Probably Madam Ulmann?) Quite blue. Standards a bit short for the falls, but a magnificent breeder for blues**\$5.00**
- LAKE SHANNON** (DeForest '45) M (Souv. de Loetitia Mischaud x Jean Cayeux) x (Great Lakes) Medium dark blue with texture veining. H. M. 1946**\$6.00**
- LAMPLIGHT** (Schreiner '44) M (Amitola x Angelus) Smooth buff blend with considerable life. Watch it breed fine pinks and blends. Use with Three Oaks, Coloratura, Shannopin, Juliet, and Honeyflow**\$4.00**
- LAMPLIT HOUR** (Tompkins '47) M (Lancaster x Honeyflow) White standards, yellow falls. A good step forward in this direction...**\$7.00**
- LATE GUEST** (Muhlestein '46) L (City of Lincoln x Royal Command) Rich flaring brown variegata. Likes hot weather**\$2.50**
- LAUREL HILL** (G. Plough '49) M (Wm. Mohr) x (Esplendido x Bruno) To be had from introducer.
- LAVENDER AND GOLD LACE** (Whiting '46) ML (Moonglow x Matula) Yellow standards, falls crimped, edged gold**\$2.00**
- LEILANI** (Washington '43) M (Copper Crystal x ? Melitza ?) Orange-pink, with lines in the falls. Quite showy, and a good parent. H. M. 1945**\$12.00**
- LIDICE** (Tompkins '45) M (The Red Douglas x Winneshiek) Black-dahlia, falls edged heather**\$5.00**
- LIGHTHOUSE** (Salbach '36) L (Helios x Rameses) Showy coppery-red with inner orange light. A. M. 1940**\$6.00**
- LIGHTS ON** (Lapham '46) M (Christabel x Red Gleam) x (Red Sails x Jerry) x (Red Gleam) Good red, should be a splendid red parent. H. M. 1946**\$7.50**
- LILAC LANE** (Whiting '48) M (39-141: Purissima x Matula) x (Gilt Edge) This and Syringa are almost without competition. Blood for all the colors of the rainbow, even pinks. H. M. 1948**\$10.00**
- LOCKWOOD** (DeForest '47) M (Casa Morena x Copper River) Red-brown blend. Blood here for rich things**\$10.00**
- LORD DONGAN** (Smith '40) ML (Andante x Dauntless) x (Nene) Rich chinese-violet standards, falls broad pansy violet**\$2.00**
- LOS ANGELES** (Mohr-Mitchell '27) M (Conquistador x Purissima) x (Esplendido: mesopotamica x Parisiana) Lightly marked white plicata. A. M. 1944**\$4.00**
- LOTHARIO** (Schreiner '42) M (Madam Maurice Lassailly x Winneshiek) Fine neglecta. H. M. 1945**\$3.00**
- LOUISE BLAKE** (Smith '43) M (Madam Lassailly x Wabash) Really striking this deep pansy purple and light violet. Close to an Amoena. Will become very popular. A. M. 1947**\$4.00**

| | |
|---|---------|
| LOUVOIS (Cayeux '36) M (Fetiché x Roi Soleil) x (Iceberg x Evolution) Bi-brown..... | \$60 |
| LOVE AFFAIR (Mitchell '46) M (Plicata lines) Large, pinkish plicata, well branched, well bred | \$2.50 |
| LOVELY ROSE (Horton '43) M (Matterhorn x Lyndon) Rose blend. Blood here for plicatas and pinks | \$5.00 |
| LOVE STORY (Mrs. J. A. Sapp) M (Unintroduced) (Golden Eagle x Hall 43-18) Guest. | |
| LUCERNE (Salbach '40) M (Shining Waters x Brunhilde) Fine blue in heavy demand. Blood for fine blues, lavenders and purples..... | \$75 |
| LYNN LANGFORD (Hall '46) M (Two pink blend sdlg.) Smooth orchid with gold outpouring on hafts. Luscious. H. M. 1946..... | \$8.00 |
| MABLE CHADBURN (Chadburn '41) (Sister to Joan Lay) Yellow, English Dykes Medal winner 1941. Limited stock | \$5.00 |
| MADAM MAURICE LASSAILLY (Cayeux '35) M (Armor x "Carillon") Fine neglecta and a good parent. French Dykes Medal 1935 | \$75 |
| MAGIC WAND (Kleinsorge '46) M (Tobacco Road x Daybreak) Deep Golden Tan..... | \$3.00 |
| MANDALAY (Hall '43) M (35-40: Dauntless x Rameses) x (May Day) Lovely flaring reddish copper-rose. Good breeder. H. M. 1943 | \$1.00 |
| MAPLE SUGAR (Whiting '48) M (Marisha x Amitola) x (China Maid) x (Harvest Moon: Midwest Gem x Prairie Sunset | |
| MARATHON (Whiting '48) M (Mellowglow x Cedar Rose) Rich blend. Fine blood | \$10.00 |
| MARIMBA (DeForest '44) M (Salar x Far West) Cinnamon blend. Blood for blends, plicatas and oranges | \$1.00 |
| MARION VAUGHN (Smith '47) M (Elsa Sass x Wood Thrush: Siegfried x Mme. L. Aureau) Lovely Lemon-ice. Should be wonderful for this color and plicata breeding | \$15.00 |
| MAROON DAMASK (Kleinsorge '46) M (Mexico x red sldg.) Huge low-growing red of splendid breeding qualities | \$3.00 |
| MARQUITA (Cayeux '31) ML (Symphonie x Helios) Ivory yellow, falls veined watermelon | \$40 |
| MARTIE EVEREST (Kirk-McDade '35) EM (?) Blue bi-color. Dependable re-bloomer..... | \$40 |
| MARY CLOTILDE (Kinish '44) M (Blue Triumph x Shining Waters) Large tailored medium blue with the most delightful, strong, spicy perfume in the iris garden. One of the pleasant surprises of last season | \$2.00 |
| MARY ELLEN (McKee '47) M (Mary Vernon x Miobelle) Ox-blood red. Striking..... | \$8.00 |
| MARY E. NICHOLLS (Nicholls '39) M (Valor x Lucero) Cream-white with gold overlay on hafts. A. M. 1943 | \$75 |
| MARY RICH LYON (Callis '37) M (Purissima x Pluie D'or) Rather ugly, ruffled, chartreuse-white. Good breeder for yellows, blends, pinks | \$50 |
| MARY VERNON (McKee '42) EM (Sdlg: 38-14 x Janet Butler) x (Chosen) Bright red-brown variegata. A. M. 1945 | \$2.50 |
| MASTER CHARLES (M. Williamson '44) M (BB 2932 x ?) Glowing Mulberry—always a good performer. A. M. 1946 | \$3.50 |
| MASTER WHITE (C. O. Schirmer) (Gudrun x Easter Morn) Guest. | |
| MATA HARI (Nicholls '37) L (Valor) x (Souv. de M. Gaudichau x Alcazar) x (Morning Splendor) Splendid dark purple. A Grand breeder | \$50 |
| MATTERHORN (J. Sass '38) EM (San Francisco x 27-30 H. Sass' plicata, sister sdlg. to Baldwin: (21 x Caterina) Clean white of easy growth. A. M. 1940 | \$75 |
| MATTIE GATES (Sass Bros. '46) M (Golden Fleece x 40-371: from two yellow plic. sdlg.) Brighter, better formed Elsa Sass. H. M. 1946 | \$20.00 |
| MATULA (H. Sass '37) M (22:31: Rameses x 32-28: King Tut x Cardinal) x (Amitola: Rameses x Midgard) Rich blend. Wonderful parent. H. M. 1939 | \$50 |
| MAY CHARM (Whiting '48) M (Mirabelle x Angelus) Can't miss as a parent for blends and pinks. A nice pink blend, sister to Pathfinder | \$1.00 |
| MELANIE (Hill-son '41) M (?) Dependable pink blend | \$75 |
| MELLOWGLOW (Whiting '42) M (Midwest Gem x Fiesta) Luscious apricot blend. Grand parent. H. M. 1942 | \$5.00 |
| MELODY LACE (Muhlestein '46) ML (Madam Louis Aureau x Tiffany) Cream plicata edged lavender pink. Refined | \$4.00 |
| MERRY ROSE (Muhlestein '48) M (Lancaster x Daybreak) Smooth rose self. Quite different to anything. Branching high: good clump effect | \$4.00 |
| MELODIST (DeForest '46) M (Salar x Tobacco Road) Large, flaring henna blend. H. M. 1947 | \$7.50 |
| MEXIA (Whiting '47) EM (Matula x China Maid) Big pink blend. Sister to Three Oaks and Tea Rose. A grand parent | \$1.00 |
| MEXICAN MAGIC (Whiting '47) M (Crimson Tide x E. B. Williamson) x (Veishea) Spanish red, brilliant blue and molten copper. H. M. 1947 | \$5.00 |
| MEXICO (Kleinsorge '43) M (Rebellion x Naranja) x (Treasure Island x Apricot: Far West x Rameses) Variegata blend. One of the superb parents when used with Tobacco Road and other Far West blood. H. M. 1944..... | \$2.00 |
| MICHAEL BARTON (Tompkins '47) EM (E. B. Williamson x Bright Melody) Rich carmen-magenta and deep hollyhock red. H. C. 1945 | \$15.00 |
| MIDWEST GEM (H. Sass '37) M (Sister to Matula) Ruffled pink blend. Produces delightful seedlings—even shell pinks and salmons when bred with them. H. M. 1937 | \$50 |
| MING YELLOW (Glutzbeck '37) M (Mrs. V. West x Cream Sdlg.) x (W. R. Dykes) x (Depute Nomblot) Big showy yellow. A. M. 1941 | \$75 |

- MINNIE COLQUITT** (H. Sass '42) M (?) A fine specimen stalk, a little overpowering as a clump. Purple trimmed plicata. A. M. 1945\$3.00
- MIOBELLE** (McKee '45) M (Naranja x Janet Butler) x (Aubanel) Broad rose-blend. A superb parent, but nothing to get excited about in itself. H. M. 1945\$2.50
- MIOGEM** (McKee '47) M (Miobelle) x (Sdlg.: 43-67 x Ming Yellow) Simply stunning this broad rose with metallic flush in falls. Substance galore. H. M. 1947\$8.00
- MIRABELLE** (Whiting '41) ML (Matula x Happy Days) Weak stalked blend. Difficult to set pods, but splendid when you can get seed. Parent to Pathfinder. H. M. 1941.....\$3.50
- MIRROR LAKE** (Muhlestein '47) ML (Blue Spire: x Great Lakes) Medium blue with delightful shape and form. H. M. 1948.....\$6.00
- MISS CALIFORNIA** (Salbach '37) M (Dauntless x Desert Gold) Big orchid-pink. An easy grower\$5.50
- MISS MUFFET** (Salbach '40) E (Yel. -Sdlg.: Dauntless x W. R. Dykes) x (Capitola) A more greenish-yellow Lady Mohr. Ugly\$7.75
- MISSOURI** (Grinter '33) ML (Sensation x Blue Ribbon) Deep Blue with brown on hafts. Fine parent. Dykes Medal 1937\$5.50
- MIST GLOW** (Muhlestein '48) ML (Sundust x Radiant) White and lavender amoena \$7.50
- MISTY GOLD** (Schreiner '43) M (Tiffany x Siegfried) Light Lemon-gold-spangled beauty that everyone wants. H. M. 1945.....\$2.00
- MOHRMEAD** (Cook) M (Wm. Mohr x Franklin B. Mead)
- MOHRSON** (White '35) M (Wm. Mohr x sdlg.) Big purple. Somewhat fertile pollen \$5.50
- MONADNOCK** (Salbach '37) ML (Marquita x Dark Knight) Large, showy, lavender-rose\$7.75
- MOON BLOSSOM** (Tompkins '46) M (4 E 38: Wm. Mohr x Mussolini) x (Veishea) Camellia pink and twilight blue with creamy undertone\$3.50
- MOONLIGHT MADONNA** (J. Sass '43) M (Yel. Sdlg. x Elsa Sass) Taller, improved Elsa Sass. A. M. 1945\$2.00
- MOONLIT SEA** (J. Sass '43) M (Undoubtedly from Plicata lines) Odd yellow brushed blue. Plant with Lemon yellows to set it off\$5.50
- MOON RAY** (H. Sass '43) M (Undoubtedly from Wambliska and Rameses lines) Wide light yellow should be useful for pink breeding\$2.00
- MOONTIDE** (McKee '46) M (Red Gleam x Mary Vernon) Rich velvety yellow. A remarkable parent for yellows, oranges and reds. H. M. 1946\$7.50
- MORNING BLUE** (Jory '48) E (Purissima x Capitola) Wide blue showing its Capitola heritage. A sister to Blue Elegance. May do great things for hybridizers if there is fertility here\$20.00
- MOROCCO ROSE** (Loomis '37) M (H:22—Lent A. Williamson and other iris) x (F 70: W. J. Fryer x Ricardi) Responsible for real pinks. A half sister to Elmoehr. May still be a useful parent\$6.00
- MOUNTAIN SKY** (Milliken '41) M (1594 x 1485—undoubtedly Purissima lines) Cannot be overlooked for a blue breeder and it is grand in the garden\$7.75
- MOUNT HERMON** (Lowry '45) M (Buechley Giant x Phebus: Iceberg x Evolution) White sister seedling to Syringa. To Great Lakes, or Aladdin's Wish, it will give interesting things. H. M. 1945\$6.00
- MOUNT TIMP** (Muhlestein '45) E (October Opera x Tiffany) Very large rose-trimmed plicata with a lot of personality and garden value. Blooms longer than anything in the garden, and the large blooms last for days\$1.50
- MRS. J. L. GIBSON** (Gibson '30) M (Dominion x Souv. de Mme. Gaudichau) Rich blue-purple self. Fine\$5.50
- MRS. STELLA STEDMAN** (Covert '44) EM (Snowking x Lady Paramount) Big white \$3.00
- MT. McKINLEY** (Schreiner '47) M (Amigo x Wabash) Well branched Amoena—falls not margined as in Wabash\$3.50
- MULBERRY ROSE** (Schreiner '41) M (Frieda Mohr x ? Violet Crown or Ozone) Showy mulberry pink with brown on hafts. Big. A. M. 1944\$1.25
- MY CHOICE** (Tharp) M (Gertrude Fields x Quivera) Orchid-pink diploid with rich orange-tangerine beard\$1.00
- MY DAY** (Tharp '44) M (Wm. Mohr x Los Angeles) Big lavender with more white showing through than in Grace Mohr\$1.50
- NANCY HARDISON** (Douglas '44) M ((Francesca x Yel. Sdlg.) x (Radiant)) x (Gay Troubador) Peach-pink and yellow blend. H. C. 1943\$5.00
- NANKEEN** (Whiting '47) M ((Mirabelle) x (Sdlg. of Rameses)) x (Elsa Sass) Chinese yellow enlivened by deeper yellow. Blood here for pinks, blends, plicatas and lemon yellows\$10.00
- NATALIE** (Callis '46) M (Saint Joseph x Clinton Sylvester) Delicate Ballet-Girl-type, styles deeper orchid. Lovely indoors\$5.00
- NATIONAL WHITE** (National '44) M (? Gudrun x Buechley Giant?) Big, well formed showy white\$1.00
- NEW HORIZON** (Fay '46) M ((Morocco Rose x Hall 40-24) x (Overture) Bi-colored peach pink with tangerine beard. H. M. 1947 \$10.00
- NEW SNOW** (Fay '46) M (Snow Flurry x 41-11: Gloriole x 39-3) Large, wide clean white. Should be a tremendous parent for whites and blues. A. M. 1948\$10.00
- NICOLE LASSAILLY** (Cayeux '38) M (Polichinelle x Don Juan) Blue-bi-color. Dykes Medal France 1937\$3.00
- NIGHTFALL** (Hall '42) E (Indian Chief x Sdlg.) Rich, bi-purple. A. M. 1945\$1.00

- NIGHT LIFE** (Muhlestein '48) M (Storm King x Sable) This was introduced last year, and took the name from a sister seedling not quite so good; in fact this was so superior the sister will not be named. This is a very large black bi-purple—the standards are lighter. The falls are wide and ruffled at the hafts—there are no reticulations to mar it. Since it bloomed for the first time last year, its height is not established, but I rather imagine it will be on the short side. Every garden visitor was taken with it. The stock is so small the price had to be raised. It is in the gardens of Walter Marx and Schreiner **\$25.00**
- NIGHT SPOT** (Muhlestein '49) See 1949 Introductions.
- N. J. THOMAS** (Thomas-Thorup '44) M (Wm. Mohr x ? Cardinal or El Capitan) Bi-purple **\$1.00**
- NOONDAY SKY** (National '40) M (?) Grand medium blue. Showy **\$5.00**
- NYLON** (Whiting '40) M (Amitola x Sandlewood) Reciprocal cross to Prairie Sunset and we think it a better parent. Big golden tan **\$7.75**
- OLA KALA** (J. Sass '43) M ((Amitola x?) x (Prairie Sunset) x (Golden Age x?)) Stunning orange-yellow that is tops. Dykes Medal 1948 **\$2.50 3 for \$6.00**
- OLD PARCHMENT** (Kleinsorge '39) M (Treasure Island x Far West) Creamy buff-white. Different. Crossed with Mellowglow gave me Utah Special and other lovely blends. A. M. 1941 **\$1.00**
- OLD ROSE** (Salbach '40) M ((Marquita x Monadnock) x Dark Knight) Big, tall showy old rose **\$1.00**
- OLYMPIO** (Cayeux 1936) M (?) Dykes Medal France 1936. Red purple. Scarce **\$10.00**
- ORANGE FLARE** (Covert) EM (City of Lincoln x Naranja) Bright Orange Bi-color. Falls flare, but are a bit short for the standards. We think it will be an important parent for oranges **\$5.00**
- ORANGE GLOW** (Cassebeer '42) M (Junaluska x Radiant) Improved Radiant type. Matula x this gave K. Smith a host of fine things as mentioned in A. I. S. bulletin 103. H. M. 1944 **\$1.50**
- ORANGEMAN** (Waters '46) M (Naranja x Golden Majesty) Large, rich orange-yellow. Should breed fine oranges, deep yellows. H. M. 1947 **\$5.00**
- ORCHID LADY** (Salbach '43) M (Anne-Marie Cayeux x Alta Calif.) x (Miss Calif.) Wide orchid effective in clumps **\$1.00**
- OREGON SUNSHINE** (National '39) EM (?) Wide light yellow **\$5.00**
- OREGON TRAIL** (Kleinsorge '43) M (245: Rebellion x Naranja) x (Aztec Copper) Unpretentious tan blend with darker hafts. Good blood for oranges, and rich blends **\$2.00**
- ORELIO** (DeForest '47) M (Casa Morena x Garden Flame) Large rich red with plenty of commanding power. Should be a good red parent. H. M. 1948 **\$10.00**
- ORIENTAL BAZAAR** (Buneaux 1948) M (Miss Calif. x Hall 41-1) x (Majenica)
- ORLOFF** (H. Sass '37) (El Tovar x Amenti) Fine plicata parent and very fertile on the "Mohr" family, although, now, it is outclassed. H. M. 1937 **\$5.00**
- ORMACO** (Kleinsorge '42) ML (Ormohr x Aztec Copper) Heavy violet and bronze. Easy parent, and pollen is fertile. H. M. 1947 **\$1.50**
- ORMOHR** (Kleinsorge '37) M (Wm. Mohr x Anakim) Large Violet-lavender. Fertile pod parent. A. M. 1940 **\$5.00**
- OURAY** (Thomas-Thorup '37) M (Dauntless) x (Grace Sturtevant x Cameliard) Small, low red. Retained because of its breeding possibilities. Try with things like Solid Mahogany, The Red Douglas, Starless Night, Dreamland, Orelia, Red Valor, etc. **\$5.00**
- OVERTURE** (Hall '44) M (40-34: 38-26: ((W. R. Dykes x Dolly Madison) x Morocco Rose) x (35-40: Dauntless x Rameses))) x 39-62: ((36-01: sister to 36-11) x (Morocco Rose)) Small tailored pink. A good parent both ways. H. M. 1944 **\$5.00**
- OZONE** (J. Sass '35) ML ((Baldwin x King Tut) x (Douglas) Rosy lavender with copper at hafts. Unusual. Popular. A. M. 1948 **\$5.00**
- PAILLASSE** (Cayeux '36) ML (Marquita x Redalga) More Smoky-Marquita **\$7.75**
- PAINTED DESERT** (Milliken '42) M (China Maid x Chosen) Tan blend. A good parent with things like Three Oaks, Nylon, Matula, Honeyflow **\$2.00**
- PALE PRIMROSE** (Whiting '46) M (Happy Days x Midwest Gem) Ruffled primrose yellow. Cross this with Gold Ruffles for some interesting things. Should produce true pinks when bred with them **\$1.50**
- PALLIDA F. VARIEGATA** (Krelage) Foliage green stripped yellow. Small blue flower with grape perfume. Diploid **\$5.00**
- PAMELA** (Callis '43) M (Golden Bow x Gaynelle) Greenish yellow **\$1.50**
- PASTEL PORTRAIT** (Whiting '48) M ((Marisha x Sandalwood) x (Marisha x Amenti)) x (Angelus) Cream flushed pink. Should breed pinks **\$1.00**
- PATHFINDER** (Whiting '48) M (Mirabelle x Angelus) H. M. 1948.
- PATRICE** (DeForest '45) M (Tiffany x Salar) Large delicately marked plicata. Splendid grower. H. M. 1946 **\$3.00**
- PATRICIA** (H. Sass '39) E (? Alcazar x mesopotamica) x (Wambliiska) Disputed parentage. Looks and acts more like a diploid. Lovely ruffled white. H. M. 1940 **\$6.00**
- PEACEMAKER** (Mitchell '34) M (Plicata lines) Porcelain white with lavender flush. Lovely indoors **\$3.50**
- PEACH GLOW** (Kleinsorge '43) M (Idanha x sldg: Far West x Junaluska) Pink blend that is nice **\$1.00**
- PEG DEBAGH** (Craig '48) (Purissima x Capitola) Lovely new blue. H. M. 1948.

- PERSIAN PRINCE** (H. P. Sass '41) M (Autumn Flame x ?) Grand bright variegata. Not as tall as City of Lincoln. H. M. 1942.....\$**75**
- PERU** (Milliken '45) M (Mount Cloud x sister to Fort Knox) Large violet-blue\$**1.25**
- PIERRE MENARD** (Faught '48) ML (Sister to Cahokia) Large waved medium blue. Should be a splendid parent. H. M. 1948.....\$**20.00**
- PINK CAMEO** (Fay' 46) M (42-02: Morocco Rose x Hall's 40-24) x (Hall 42-07: sister to Overture and Dream Girl) Splendid tailored pink. Will produce fine pinks. A. M. 1948.\$**10.00**
- PINK CLOUD** (Fay '46) M (Ethelynn Dubuar x Orchid sdg.) Pale orchid-pink. Diploid \$**3.00**
- PINK LACE** (Sass Bros. '47) M (Dore x Matula) x Flora Zenor) Orange Pink. Discarded.
- PINK REFLECTION** (Cook '42) M (Fancy Free x Sandia) Flaring delicate pink. A. M. 1944\$**3.00**
- PINK RUFFLES** (Smith '40) EM (No-we-ta x Eros) Low ruffled lavender. Delightful in drifts. A. M. 1942\$**75**
- PINK FORMAL** (See 1949 Introductions)
- PINK SALMON** (Muhlestein '48) EM (Spindriff x Golden Eagle) Clean salmon-pink, with tangerine beard. Proving a remarkable parent for large, tall and well branched pinks and salmons. Not tall itself\$**15.00**
- PINK SENSATION** (Hall '48) (44-29: Fantasy x 42-46: Golden Eagle x 39-62) x (Courtier)
- PINK TOWER** (Muhlestein '48) EM (Golden Eagle x D. Loomis' SQ 72) Very large pink self. Tall, well branched. A good parent. Use Spindriff, Overture, Pink Cameo, New Horizon, Premier Peach, etc. C. of C. 1947..\$**15.00**
- PREMIER PEACH** (Hall '46) M (Sister to Dream Girl) Salmon-peach pink. Quality! "Impossible" pod parent. Fertile pollen\$**8.00**
- PRETTY PENNY** (DeForest '43) M (Jean Cayeux x Rameses) x (Prairie Sunset) Small golden tan. Interesting blood. Put it to large, rich blends like Three Oaks, Midwest Gem, Bryce Canyon, Tobacco Road, Grand Canyon, etc.\$**1.50**
- PRETTY QUADROON** (Kleinsorge '48) ML (Mexico x Tobacco Road) Smooth metallic copper-brown. H. M. 1948\$**20.00**
- PRINCE OF ORANGE** (Kleinsorge '40) EM Far West x Naranja) Bi-orange Yellow. Grand blood for many colors. A. M. 1944\$**75**
- PRIORITY** (Lapham '45) M ((Rameses) x (M. A. Porter x Jerry)) x (Red Ray) Sure-fire, red re-bloomer. H. M. 1947\$**3.00**
- PRISCILLA** (Whiting '42) EM (Purissima x Blue Waves) Pure white! Properly grown will have height—36 inches or more. A. M. 1947 \$**1.50**
- PROFESSOR MITCHELL** (Cayeux '30) M (David x Tersipchore: Korolkowi Violacea x Susiana) Big Purple. Hybrid! Fertile pollen.
- PURISSIMA** (Mohr-Mitchell '27) E (Argentina x Conquistador) Large white. Undoubtedly one of the greatest breeders of all time with such outstanding offspring at Snow Flurry, Helen McGregor, Priscilla, Anitra, Blue Spire, and the newest Peg Debagh, Blue Elegance and Morning Blue. Still holds great promise for further breeding, and inbreeding, for many years to come\$**35**
- PURPLE MOOR** (Lapham '47) M (The Red Douglas x Edward Lapham) Said to be a larger Master Charles. Good blood here for this color and red\$**7.50**
- RADIANT** (Salbach '36) EM (Klamath x Sherbert sdg.) Coppery orange-red. H. M. 1938.\$**5.00**
- RADIANT COMMAND** (Muhlestein '48) M (Radiant x Royal Command) Large, bright bi-purple—a Neglecta. Effective in clumps and en-masse\$**3.00**
- RADIATION** (Hall '48) E (42-46 x Premier Peach) Orchid-pink with tangerine beard. H. M. 1948\$**25.00**
- RADIANT LADY** (Maxwell '44) M (Rosy Wings x Radiant) Self Orange-copper\$**1.50**
- RAEJEAN** (Whiting '40) M (Amitola x Copper Piece) Large two-toned yellow. A wonderful parent for rich things\$**75**
- RAINBOW BOOM** (J. Sass '46) M (H. Sass' 50-36 x Matula)
- RAJAH BROOKE** (Norton' 45) M (Matula x Garden Magic) Rich blended variegata. Blood here for rich blends, deep reds. H. M. 1946\$**3.00**
- RANGER** (Kleinsorge '43) M ((Rebellion x King Tut) x (Purissima x Dolly Madison)) x Garden Magic) Worthwhile red. Splendid everywhere. Difficult pod parent, pollen rarely. A. M. 1946\$**3.00**
- RARE MARBLE** (Muhlestein '47) M (Bonanza x Tiffany) Our favorite in the red trimmed plicatas\$**5.00**
- RED BONNET** (Gage '39) M (Dauntless x Red sdg.) Fine wide red\$**5.00**
- RED GLEAM** (Lapham '41) EM ((Bruno x Sherbert) x (Redwing x King Tut) Fine red and top notch breeder for reds. H. M. 1941 \$**1.00**
- RED MAJESTY** (Douglas '46) M (two sdgs.) Red with yellow heart. H. M. 1948\$**9.00**
- RED RAY** (Lapham '37) M (Red Sails x Jerry) Good red that produces re-bloomers.....\$**1.00**
- RED TORCH** (H. Sass '47) ML (Prairie Sunset x Rouge Boquet) Golden-tan standards vivid red falls. Should be a parent for rich blends and reds. H. M. 1947\$**6.00**
- RED VALOR** (Nicholls '39) M (Joycette x Red Robe: Morning Splendor x Cardinal) Tall stately red of quality. A grand parent. H. M. 1940\$**2.00**
- REDWARD** (Cook '42) M (Sdgs. from Morning Splendor, Seminole and Cinnabar) One of the best new reds. H. M. 1945\$**4.00**
- REDWYNE** (McKee '45) M ((Christabel x Tenaya x (Janet Butler)) x (Red Comet) Deep Mahogany red. H. M. 1945.....\$**7.50**
- REGAL ROBE** (Craig '48) (Acropolis x Destiny)
- REMEMBRANCE** (Hall '42) M ((38-26: (36-11: W. R. Dykes x Dolly Madison) x Morocco Rose) x (May Day) Big pink blend. A. M. 1944\$**2.00**

REVEILLE (Tobie '44) M (Clovelly x Melitza)
Delicate salmon pink. Heavy substance. Should
breed pinks and "greens." H. M. 1945...**\$3.00**

RILLA GABBERT (Carpenter '46) M (?) Rich
jewel-like blend with quality written all over
it. Tops. H. M. 1946**\$8.00**

RIO ORO (DeForest '42) M (Salar x Far West)
Glowing honey-tan. Grand parent for tans
and oranges. Could produce plicatas...**\$1.00**

ROBINWOOD (Kirkland-Williams '41) M (?)
Showy red-bronze. Lovely**\$7.50**

ROCKET (Whiting '45) M (Sandlewood x
Naranja) x (Golden Spike) Bright orange-yel-
low bi-color. Hits you right in the eye. Should
breed tops in rich blends and oranges. A. M.
1947**\$15.00**

RODEO (DeForest '47) M (Tiffanja x Casa
Morena) Huge plicata you can't overlook!
Blood here for other colors, too**\$10.00**

ROSE GOLD (Milliken '46) EM (China Maid x
Dixie Sunshine) Medium sized rose blend.
Good substance**\$2.50**

ROSEMARY (Whiting '47) M (Marisha x Mor-
occo Rose) Big orchid pink**\$1.00**

ROSE SPLENDOR (Kleinsorge '47) M (Peach
Glow x 322) Deep rose-pink. H. M. 1948 **\$10.00**

ROSE TOP (H. Sass '41) ML (Tiffany x 136-
34: Rameses x El Tovar) Huge rose-trimmed
plicata. Good**\$3.50**

ROSY RUFFLES (C. Rees '46) EM (Snow Flur-
ry x Far West) Rosy lavender-pink. Should be
a good parent for many colors**\$3.50**

ROUGE BOUQUET (Whiting '41) M (Matula
x Garden Magic) Heavy substandard dark red.
Grand breeder**\$1.00**

ROYAL SCOT (Hall '44) M (Orloff x Elsa Sass)
Heavily marked plicata. Easy grower. Tall. H.
M. 1944**\$2.00**

RUBIENT (Whiting '42) M (Valor x Winne-
shiek) Pansy red-purple. Good**\$1.50**

RUBY GLOW (Schreiner '41) E. Int. (Grace
Sturtevant x Gramineae) True ruby red inter-
mediate. A. M. 1948**\$7.50**

RUFFLED BOQUET (C. Rees '47) EM (Snow
Flurry x Sunburst) Ruffled primrose-cream.
One of the pleasant surprises of last season.
Grand! We think it will rank at the top of
the Creams. A smoothly finished flower **\$10.00**

RUSSET MANTLE (Schreiner '45) (Wabash x
At Dawnnig)

RUSSET WINGS (Wills '46) M (Old Parch-
ment x Stardom) This makes a magnificent
clump. Glowing gold, copper and apricot
blended majestically into a large self flower.
H. M. 1946**\$7.50**

SABLE (Cook '38) EM (Involving: Innocenza,
Blue Boy, Cinnabar and Seminole) Just sim-
ply grand, this dark purple. A fine breeder,
parent to Night Life and Night Spot. A. M.
1940**\$1.00**

SALAMONIE (Cook '46) M (Majenica x Pink
Reflection) Light pink blend. Nice. H. M.
1946**\$9.00**

SALMONETTE (J. Sass '46) M (Dore x Ma-
tula: 40-166) x ((Beau Ideal x Rameses) x
Amitola)) x (Miss Calif.))) Not unlike Prem-
ier. Peach in color. Medium size, but a clean
flower. With large things like Pink Tower or
Deb's Delight, it will produce fine pinks,
surely. H. M. 1947**\$10.00**

SAN ANTONE (Kleinsorge '47) M (333 x 311A)
Rich Sand-brown. H. M. 1948**\$10.00**

SAN FRANCISCO (Mohr-Mitchell '27) EM
Conquistador x Parisiana) x (Esplendido)
Large, well branched white plicata. Dykes
Medal 1927**\$5.00**

SARAH KINISH (Kinish '44) M (Winneshek
x Sierra Blue) Fine medium blue bi-color **\$5.00**

SEADEEP (Thole '37) E (Buto x Santa Barbara)
Marine blue bi-color. Fertile pollen on the
"Mohrs," and should be good for other blues.
.....**\$3.50**

SEA LARK (Muhlestein '46) EM (Brunhilde x
Sable) Large violet blue with flush of purple
in both standards and falls. Nothing like it.
Has fine form and substance. H. M. 1947
.....**\$10.00**

SEDUCTION (Cayeux '33) M (Arlinde x sldg.:
Ensorceleur x ?) Wide lightly marked pli-
cata. Parent of Suzette**\$5.00**

SELAH (Nelson '48) (Thole white sdlg. x Show
Girl: Rameses x Prairie Sunset) Lavender blue
with gold heart. Heavy substance.....**\$7.50**

SEQUATCHIE (Caldwell '44) ML (Yucatan x
Jean Cayeux) x (Celphane x Blue sdlg.) Bril-
liant coppery blend with blue flush in falls.
Not large, but showy. Parent of Bronze Bro-
cade. H. M. 1944**\$4.50**

SERENATA (Milliken '44) EM (Sister to Fort
Knox) x (China Maid x sdlg. of Dauntless)
Light pinkish blend**\$1.00**

SHANNOPIN (Pillow '40) M (Redwing x Yel.
Sdlg.) Yellow standards pink falls. With Wa-
bash gave wonderful Amoenas. Crossed with
Pathfinder gave Mrs. Whiting grand pinks.
Watch it as a breeder**\$1.00**

SHARKSKIN (Douglas '42) M (Cathedral Dome
x Stella Polaris) Smooth white. A. M. 1946
.....**\$2.50**

SHISHALDIN (DeForest '44) M (Sister to Casa
Morena) Tall brown blend**\$1.50**

SIERRA BLUE (Essig '32) M (Souv. de Mme.
Gaudichau x Santa Barbara) Very tall flaring
medium blue. Good parent and grandpar-
ent. Dykes Medal 1935**\$3.50**

SIERRA LAKES (Buneaux) ((Sensation x ?) x
Sierra Blue)) x (Great Lakes) Guest.

SIERRA SNOW (Kleinsorge '39) EM ((Cream
sdlg.: Purissima x Rameses) x (Far West)
Fine white, well branched. Good blood here
for blends, pinks and whites**\$7.50**

SIOUX CITY SUE (Whiting '47) M (Matula x
China Maid) x (Burmese Gold) Auburn red
with blue blaze in falls. Great breeding here,
too**\$3.00**

SKY RANGER (Hall '48) (Bandmaster x blue
sdlg.) Tallest blue**\$20.00**

- SKY MAID** (M. Walker '44) EM (Purissima x Pacific) Flaring blue. Fine blood for real blues. H. M. 1945\$2.00
- SKY TINT** (See 1949 Introductions)
- SLEEPY HOLLOW** (Milliken '44) E (Royal Salute x The Black Douglas) Rich purple. Should make a fine parent\$7.75
- SNOQUALMIE** (Brehm '38) M (Wm. Carey Jones x White Mitchell sdg.) Long the standard for creams. Still good\$6.00
- SNOW CARNIVAL** (Graves '42) EM (Santa Barbara x Gudrun) Very large white of good form and substance. A superb parent, good for whites and blues. A. M. 1944\$3.00
- SNOW CRYSTAL** (Wills '47) EM (Sensation x Paulette) x (Narain) Very large white plicata lightly marked. Grand size and form. H. M. 1947\$5.00
- SNOW FLURRY** (C. Rees '39) EM (Purissima x Thais) Large ruffled blue-white with delightful fragrance. We think it will go down in history as one of the great breeding iris—equally as fine as its parent Purissima. Sets seed with ease, no pollen. A. M. 1941\$1.25
- SOLID MAHOGANY** (J. Sass '44) M (City of Lincoln) x ((Cardinal x Alcazar) x H. Sass 29-34)) Deep Mahogany red. Grand. Used on Sable, Orelia, Bryce Canyon, Rouge Boquet or Garden Glory should breed tops. A. M. 1947\$5.00
- SONATINE** (Tompkins '46) M (Jean Cayeux x Ormohr) x (Aztec Copper) Blend of lilac and pinkish copper\$5.00
- SONG OF GOLD** (Essig '37) M (Complicated) Yellow with grand fragrance\$7.75
- SONRISA** (DeForest '42) EM (Her Grace x Prairie Sunset) Delicate pink with yellow undertone. Difficult pod parent. H. M. 1945\$2.50
- SORREL TOP** (Mitchell '43) ML (Palo Alto: Sherbert x San Francisco) x (Orloff) Standards rose-brown, falls edged same color. Swell, and should make a wonderful parent for plicatas and blends. H. M. 1947\$1.00
- SORRENTE** (Cayeux '37) M (?) Fine blue blend. Scarce\$1.00
- SOUSUN** (Essig '45) EM (Firefall, Kashmir White, Grace Sturtevant, Sombrero, Flame Bearer) x (Lilamani) Long blooming lemon-yellow. Grand. H. M. 1945\$3.50
- SOUTHERN SNOW** (Beck '47) M (?) Fine new white\$4.00
- SOUTHERN PACIFIC** (W. Taylor '42) EM (Sierra Blue x El Capitan) Simply huge flaring blue-violet. H. M. 1947\$1.50
- SOUTH SEAS** (Essig '47) Mount Washington x Sierra Blue)
- SPANISH PEAKS** (Loomis '47) M ((Purissima x white sdg. of Dominion) x (Sdlg.) Large nicely formed pure white. H. M. 1948\$17.50
- SPARKLING FROST** (Milliken '39) E (Purissima x Easter Morn) Lightest blue well named. A wonderful parent\$5.00
- SPINDRIFT** (Loomis '44) M (Morocco Rose x "Sea Shell") Deep Shell pink with tangerine beard. Good parent, but an even better grandparent. H. M. 1945\$3.00
- SPRING CHEER** (Whiting '47) M (Matula x Happy Days) Large yellow with blue and gold pattern on falls\$1.00
- SPRING CHIMES** (Hall '42) E (Bermuda Sand x May Day) Very large russet self. High branched, but very effective in the garden\$7.75
- SPRING IDYL** (Lapham '39) M (Eloise Lapham x Marian Lapham) x (Wild Rose x sdg.) Delicate apple-blossom pink. Lovely indoors or under artificial light. A diploid\$5.00
- SPRING SUNSHINE** (Milliken '47) EM (White Spire x yel. sdg. 2384-5) Simply huge lemon-cream with strong midrib. H. M. 1947\$15.00
- SPUN GOLD** (Glutzbeck '40) M ((W. R. Dykes x Cream Sdlg.) x (Mrs. V. West x Depute Nomblot) x (Vert Galant x Yel. Sdlg.)) x Depute Nomblot) The first velvety yellow. Dykes Medal 1944\$1.50
- S Q 72** (Loomis '48) E (? Purissima x Sea Shell) Tall, well branched pale pink bi-color. Lovely and a wonderful parent. The pollen parent of Pink Formal and Pink Tower. H. C. 1947\$2.00
- STAG AT EVE** (Muhlestein '48) EM (Chosen x Prairie Sunset) Large russet-tan self sprinkled with gold dust\$7.50
- STARLESS NIGHT** (J. Sass '41) M (The Red Douglas x Red sdg.) x (Sister sdg.) Black-red with bright gold beard. Plant in partial shade. H. M. 1943\$1.00
- STATEN ISLAND** (Smith '47) M (The Red Admiral: Frieda Mohr x Easter Morn x Madam M. Lassailly) x (City of Lincoln) Brilliant new variegata. Blood here for many colors. H. M. 1948\$12.50
- STELLA VIOLA** (Snyder '45) E (?) Bright deep violet. Nice\$2.00
- STORM KING** (Nicholls '40) L (Mata Hari x Smolder) Flaring deep purple. A wonderful parent. H. M. 1941\$1.50
- STORY TIME** (See 1949 Introductions)
- STRATOSPHERE BLUE** (Lyll '46) M (Missouri x blue sdg.) Fine medium blue\$5.00
- ST. REGIS** (Caldwell '47) M (Birchbark x Great Lakes) Slightly ruffled light blue, different from any other. H. M. 1948\$11.00
- SUKEY OF SALEM** (Nesmith '46) M (Buccaneer x Prairie Sunset) Rich blend which the first year water-spotted, but did not the second year. H. M. 1946\$6.50
- SULTAN'S ROSE** (Salbach '45) M (Anne Marie Cayeux, Alta Calif., Happy Gift, Miss Calif., Gold Top, King Midas) Rich blend of copper, old rose, and blue in falls. Broad of parts and puts this on its children as well as COLOR. H. M. 1946\$5.00
- SUNNY RUFFLES** (Waters '43) EM (Gudrun x Jean Cayeux) Nicely ruffled lemon-chrome yellow. Should be a fine breeder\$1.50
- SUNSET HAZE** (Milliken '44) M (Sister to Serenata) Like the mist over the ocean at sunset. Unusual\$1.00

- SUNSET SERENADE** (J. Sass '43) M (Golden Age x Prairie Sunset) Discarded.
- SUNSHINE** (Hall) Spring Prom x Token) x (Sister sdg.) Bright yellow\$1.50
- SUSITNA SUNSET** (Wilson '47) M (Prairie Sunset x Casa Morena) Wonderful new rich blend. Watch this for a breeder\$6.00
- SUZETTE** (Knowlton '45) M (Seduction x Tiffany) Delicate plicata in heavy demand. H. M. 1945\$9.00
- SYLVAN BELLE** (Peck '43) M (Gloriole x white sdg.) Large white. H. M. 1948\$4.00
- SYLVIA MacDONALD** (Aylett '42) M (Naranja x Happy Days) Large yellow, may be useful for oranges\$2.00
- SYLVIA MURRAY** (Norton '44) M (Great Lakes x Shining Waters) Large, flaring light blue that is a standout! Easy pollen parent, but little difficult to set pods. H. M. 1946.....\$2.00
- SYMBOL** (White '41) E (Naranja x Fiesta) Large bi-orange and yellow, falls brushed golden brown on hafts. Should make an orange breeder\$1.00
- SYRINGA** (Lowry '47) M (Sister to Mount Hermon) Lovely lilac. This and Lilac Lane are almost without competition. H. M. 1947 \$7.50
- TEA ROSE** (Whiting '44) M (Matula x China Maid) Neat Rose-pink. Sister to Three Oaks and Mexia. Fine blood. H. M. 1945\$3.00
- TEMPLAR** (White '47) M (Always x Orloff. H. M. 1947
- TENAYA** (Essig '33) EM (Alcazar x Souv de Mme. Gaudichau) x (Cardinal) Rich purple. One of the best\$3.50
- THE ADMIRAL** (Hall '41) EM (Sensation) x Selene x Wambliska) Heavy substantced blue. Fine blood here. A. M. 1944\$1.00
- THE CAPITOL** (Maxwell '44) M (La Gloria x Gloriole) Large white with deep yellow beard. Heavy stalk. Should be a good parent for whites and blues. H. M. 1946\$3.00
- THE GUARDSMAN** (Grant '39) M (Winneshiek x ?) Dusty mulberry—falls edged lighter. Different\$2.00
- THE ORIOLE** (Schreiner '47) M (Spokane x El Tovar) Worthwhile new and brilliant variegata. Golden standard, blackish-maroon falls\$2.00
- THE RED DOUGLAS** (J. Sass '37) M (Sister to Red Wing x Cardinal) (Joycette) Large red-purple. Dykes Medal 1941\$1.00
- THE SHOWMAN** (Arab Chief x Bryce Canyon) (Watch for it next year).
- THREE CHEERS** (Cook '45) M (Wabash) x ((Susan Bliss x Morning Splendor) x (amoena sdg.)) Clean, lovely neglecta. High branched. H. M. 1946\$6.00
- THREE OAKS** (Whiting '43) M (Matula x China Maid) Striking bright, rich coppery pink blend with blue flush in falls. Magnificent breeder. H. M. 1945\$3.00 3 for \$7.00
- TIFFANJA** (DeForest '42) EM (Naranja x Tiffany) Extremely vigorous yellow plicata. Blood here for blends, plicatas, red and oranges. A. M. 1946\$1.50
- TIFFANY** (H. Sass '38) EM (90-31: King Tut x Morning Splendor x ?) Big yellowish plicata. A remarkable parent. A. M. 1943\$5.00
- TIP TOP** (Hall '47) M (?) Standards violet blue, falls white peppered blue. Rather small flowers\$7.50
- TISHOMINGO** (Caldwell '42) ML (?) Large, delightful wisteria blue. A. M. 1944.....\$1.50
- TOBACCO ROAD** (Kleinsorge '42) EM (Aztec Copper) x (228: Far West x Jean Cayeux) Simply stunning in the browns and nothing like it. A remarkable parent, too. A. M. 1946\$5.00
- TOURNAMENT** (Wills '48) M (Monadnock x Sister to Stardom)
- TRANQUIL MOON** (Cook '48) M (Pink Reflection x Cream sdg.) Light yellow standards, falls white bordered yellow, flaring, heavy substance\$10.00
- TREASURE ISLAND** (Kleinsorge '37) M (Purissima x Dolly Madison) x (Jean Cayeux) Clean yellow, light area in falls. Splendid parent. A. M. 1945\$5.00
- TREVA** (DeForest '45) M (Rio Oro) x (Sandlewood x Amitola) Rich golden apricot. Lovely. H. M. 1946\$6.00
- TUNISIAN GOLD** (Tompkins '47) M (?) Large golden brown, hafts antique brown.....\$10.00
- TWILIGHT SKY** (Fay '48) M (Pink Cameo x Flora Dora) Splendid new pink\$15.00
- UTAH FIESTA** (Muhlestein '48) EM (Fiesta x Dubrovnik) Rich orange blend with lavender flush in falls. Beautiful en-masse\$4.00
- VAL** (Brenan '44) E (Mauna Loa x Brown Betty) Light Neglecta that may breed amoenas. One fourth onco blood\$2.00
- VATICAN PURPLE** (Whiting '43) EM (Missouri x Mata Hari) Grand and different purple. Good breeding here\$4.00
- VEISHA** (Whiting '43) M (Matula x 361: Mtula x Summer Tan) Rich blend similar to Three Oaks. Splendid parent. H. M. 1946 \$1.50
- VELVET KING** (Harned '38) M (Bruno x Sherbert) x (Red Wing x King Tut) Large, tall, well branched quality red\$1.00
- VELVET MANTLE** (Clutton) (Cheerio x E. B. Williamson) Guest.
- VENTURA** (M. Walker '47) EM (?) Brighter Mulberry Rose. H. M. 1947\$3.50
- VICE REGAL** (Miles '46) M (Director Pinelle x sdg: "Sir Fred Banting") Self of bronze-red. Great depth and richness. H. M. 1947.....\$3.00
- VIGIL** (Wills '47) EML (Valor x Venus de Milo) x Gudrun) Large white with a long blooming season. This catches the eye of every garden visitor. Tall, well branched. H. M. 1947.....\$7.50
- VIIPURI** (M. Williamson '40) M (Dorothy Dietz x Cantabile) Sister to Wabash—lighter, more ruffled\$7.50
- VIOLET BRIGHT** (C. Taylor '49) (Sister to Gentle Florence) Guest.
- VIOLET SYMPHONY** (K. Smith '40) M (Easter Morn x Violet Crown) Wide violet self. Grand parent for violets and whites. A. M. 1945\$1.00

VIRGIN SNOW (H. Sass '47) (?) Well named white. Short\$1.00
VISION FUGITIVE (Wareham '42) M (Sdls. from Trojana x Dominion) Large creamy white. H. M. 1945\$4.00
VISION OF MIRZA (DeForest '44) M (Sister to Patrice) Over-all patterned plicata.....\$1.50
VOODOO (Kleinsorge '48) (Mexico x Tobacco Road)
WABASH (M. Williamson '36) ML (Sister to Viipuri) Long the Standard Amoena. Used on Shannopin and Extravaganza a most exciting parent. Dykes Medal 1940\$7.75
WASATCH (Thorup '35) E (Lord of June x Lent A. Williamson) x (El Capitan) Huge white plicata with heavy substance—the parent of Aldura\$4.40
WAKARUSA (Lapham '41) E (Mary Geddes x Red Gleam) Blended orange and red. A striking combination\$1.00
WHISTLING SWAN (Waters '48) M (Snowking x Sunny Ruffles) Large white with a fine pedigree.
WHITE ALONE (Horton '40) E (Purissima x 432: Midgard x ?) Large, tall white of quality. A tendency to re-bloom in the fall\$5.50
WHITE RUFFLES (C. Taylor '47) (Snow Flurry x Princess of Brentwod) Grand big ruffled white with heavy substance. Blood here for yellows, blends, blues, oranges, reds, lavenders and whites. H. M. 1947\$12.50
WHITE SPIRE (Milliken '44) EM (Lost, but undoubtedly Purissima lines) Tall white that is a grand parent\$1.00

WHITE WEDGEWOOD (Grant '43) M (Mount Cloud x Blue bearded blue sdlg.) Blue-white with blue-tinged beard. Big, fine! Use with Dymia-blooded things for more blue beards—things like Black Forest and Gulf Stream. A. M. 1945\$3.50
WILD HONEY (Whiting '46) M (Jonquil x Gilt Edge) Rich golden-tan. Blood here for grand things if used on Three Oaks, Mellowglow, Old Parchment, Honeyflow, etc.\$3.50
WILLIAM A. SETCHELL (Brehm '38) E (Purissima x Dolly Madison) Simply gigantic bi-purple. Good substance for such a large flower\$7.75
WINSOME BLUE (Horton '43) M (Nene x Indian Hills) Fine medium blue\$5.00
WINSTON CHURCHILL (Stevens '44) M (Achilles: Inspiration x Wellington) x (Marshall Ney) New red said to be close to crimson\$10.00
W. J. MOFFAT (Miles) (Sdlg. x Elsa Sass) Plicata. H. C. 1946.
WORTHINGTON (Cook '43) (?) probably same lines as Redward) Quality rosy red\$2.00
YELLOW JEWEL (Smith '39) M (W. R. Dykes x Marshall Ney) Odd sulphur yellow, well branched\$7.75
ZANTHA (Fay '47) E (Gold Medal: Crown of Gold x Lady Paramount) x (41-22: Golden Hind x probably Jean Cayeux) Huge flaring bright yellow. Substance could be better. H. M. 1947\$10.00



HYBRIDS

ARUNA (J. Sass '39) R. C.): (Eunice x Sdlg.: Trostinger x Aphrodite)\$5.50
BALROUDOUR (J. Sass '33) (Yellow Dwarf B. x Beatrix, R C) This I sold as Morera by mistake. Porcelain-blue-white spotted and splashed\$2.25
BELLORIO (Mohr-Mitchell '24) (korolkowi x germanica)\$2.25
BLUE TOPAZ (J. Sass '33) (Beatrix (R. C.) x Yellow Dwarf)\$5.50
BUTTERFLY WINGS (See Tall Bearded list)
CAPITOLA (See Tall Bearded list)
CARMELO (Mohr-Mitchell '21) (korolkowi x Germanica Major)\$5.50
DUE WEST (White '35) E (Purissima x Susiana) Early white. Good\$5.50
ELAN (See List)
ELENA CHOOSING (See List)
FAIR ENOUGH (White '35) E (Purissima x Susiana) Early Blue. Sets seed\$5.50
FARCROSS (White '41?) (1/4 Onco) Dark purple. Sets seed quite easily\$1.00
GRAY CLOUD (J. Sass '33) (Pumila x Beatrix R C) White-flecked blue\$5.50

HOOGSAN (A. Samuelson '47) EM (hoogiana x San Francisco) Large, floppy, violet blue. Tall wiry stems that need staking, carry good branching. This should prove a remarkable parent for blues and plicatas. Fertile both ways, especially to plicatas\$5.00
JOCUND (White) E (Oncocyclus x bearded) Light yellow with reticulations. Somewhat fertile pollen\$5.50
LADY LILFORD (Foster '16) (paradox x palida) Blackish-purple\$5.50
MOLASSES (White '45) ((Theme x Sacramento) x (Pink Jadu x Susiana)) x ((Dauntless x Mirasol) x (hauranensis)) Rich molasses brown-red. Swell\$4.00
OYEZ (White '38) E (Polyhymnia x Jubilee) Oncocyclus veining makes it. Unusual, indeed. Scarce\$1.50
PESHAWAR (Schreiner '37) E (Ib Macrantha x Sdlg. of Chaemaeiris) Could be described as a miniature Elmohr. Lovely. Fertile pollen\$4.40
POLLY (F. F. Williams '44) M (Sweet Alibi: Mirasol x Purissima) x (I C-7: Purissima x Susiana) Small odd blue. Easy parent.....\$1.00

PRESENT (White '41 ?) EM (Oncocyclus x Bearded) Large, well formed whitegrounded heavily veined deep orchid. Usually only three buds at the top of fairly tall stalks, but occasionally has one branch. H. M. 1947 **\$3.50**

RIC (White '41) (Copper Lustre x Brown Betty) Really only 1/4 onco blood. Easy parent. Good brown **\$1.00**

SOQUEL (Reinelt '40) E (Wm. Mohr x Sunol) Lighter Wm. Mohr type. Sets some seed. I have some by Painted Desert, and Golden Spike **\$1.75**

SPOTLESS (H. Sass '39) E (hoogiana x Elf Queen ?) Cream **\$1.00**

STORMY DAWN (J. Sass '33) (Yel. pumila x Beatrix (RC)) Bluish **\$1.50**

SUEZ (Schreiner '43) EM (Wm. Mohr x Mme. Louis Aureau) Showing clearly its parentage. Somewhat fertile **\$5.00**

TOP HILLY (White '38) (One fourth Onco) White, falls edged lemon yellow. Fertile Pollen **\$1.00**

TOUSSAINT L'OVERTURE (Schreiner '40) E (Sister to Peshawar?) Red mulberry..... **\$1.00**

VELVO (J. Sass '33) (Beatrix x (R.C.) x Dwarf sdg. (Dwarf purple **\$1.50**

WILLIAM MOHR (Mohr-Mitchell '25) E (Parisiana x gatesii) Veined violet **\$1.35**

YUSSUF (White '46) (?) Oncobred. Lighter Mohrson **\$2.50**

ZEBULON (Callis '42) M (Ormohr x Sir Knight) Big lavender. Fertile Pollen **\$1.50**

ZIA (White '45) Dwarfish, dirty lavender, veined **\$1.50**



DWARFS

BEAUTY SPOT (Marx) (Red dwarf x Hermione, R C) Rich red-mulberry purple. A true hybrid. You'll like it **\$1.50**

BLUE MASCOT (Marx) (Reflection x chamaeiris) Flaring blue. Nice **\$1.75**

LITTLE ELSA (Muhlestein '48) E (Brautjungfer x Bride) Lemon-yellow, heavy bloomer. 8 to 10 inches. H. M. 1948 **\$1.00**

MOON GLEAM (Marx '47) (Sound Money x chamaeiris) Wide light yellow that covers the ground it blooms so heavily **\$1.00**

SNOW MAIDEN (Chadwick '35) White 12 to 14 inches—really an intermediate, we believe, but it blooms with the dwarfs **\$1.35**

WEE ADMIRAL (Marx '47) (Crysoro x Charon, R C) True hybrid. Intense red-purple. Swell! **\$1.50**



SPURIA IRIS

Easy of Culture. These will be shipped in September.

FAIRY LIGHT (Thorup '48) (Shelford Giant x yellow spuria) Light lemon-chrome falls ruffled, flaring and bordered one-eighth inch pure white. H. M. 1948 **\$7.50**

FAIRY WAND (Washington '31) (?) Blended tan. Lovely **\$1.00**

GOLDEN NUGGET (Dean '31) (?) Rich yellow. Fine **\$1.00**

MONNIERI (Collected—may be only a garden hybrid of I Ochroleuca) **\$1.00**

WHITE HERON (Milliken '48) (?) **Stand. Price**

HYBRIDIZING HINTS

These notes are offered primarily for the new hybridizer, and they are in no way suggested as completely authoritative, since my findings may be quite different from those of other hybridizers, and surely this will be especially true where difference in climate is great.

Each year I receive letters from friends and other hybridizers in which they mention of bloom late in the season, or after a rain, that they would like to have pollinated, but they had no suitable pollen. If one gathers pollen from the beginning of the season, or even has pollen sent to him from an earlier-blooming section, he will have pollen when needed. I have described the narrow pollen file I use—holding half sheets of typing paper, folded, to make open-topped envelopes in which pollen (on their stamens) is saved. Each envelope is filed chronologically, or in alphabetical order, making the pollen available at a moment's time. It is wise to gather this pollen from freshly opened flowers, but not until the pollen has ripened. It is not good to use capsules or waxed paper since these hold the moisture of the stamens and do not allow them to dry properly and the pollen grains are moistened and spoiled. Here is a suggestion, however, that might make for even quicker location of pollens from various colored flowers: yellow, brown, pink, blue or white — use paper to match these colors.

The Tweezers

It is necessary to have a blunt pair of tweezers to remove the stamens from the flowers to be pollinated, or to gather the pollen, and these might be of several types, and some prefer the scissor-type without spring in them—making it easier to hold the stamens when pollinating. To these tweezers should be tied a long string which will hang around the neck, if one is to do much hybridizing—otherwise one is always looking for his tweezers in pocket or box. This is Virginia Clutton's suggestion, and I can vouch for its handiness.

Making the Cross

One should select parents with care. Haphazard crossing may result in something unusual, but in most cases only a lot of muddy or ordinary seedlings result, and the work involved is great—even for a small seedling plot. Some iris are great parents, and although old will still be useful for many years to come. Much can be accomplished by careful in-breeding or back-crossing to a given parent, and especially where we need some quality such as color, substance, branching or height. It has been my experience the early blooms are the best for hybridizing since they have more vigor than the last blooms which will produce weak and small pods with very few seeds in them. Of course a fresh bloom should always be used. The best time for hybridizing is usually from one to three hours after the flower has opened; however, in the case of Wm. Mohr and other difficult parents, I have found it useful to open the buds an hour or two before they are due to open normally and pollinate the stigmas while they are tight and still moist—after they have dried out it is useless to put pollen on them, and in the case of Wm. Mohr I pollinate all three stigmas whereas with the more easy tall bearded plants one stigmatic lip (found on each of the three style arms) is all that is necessary to pollinate; however, if the stigma is dry, wet (by rain or dew) or injured in any way one will want to pollinate one other stigma or if a take is especially wanted all three stigmas may be pollinated.

Look to the Grandparents!

In selecting the actual parents for a cross it is wise to look not only at the parents themselves but also to the grandparents. For example, if breeding red iris, you may want to use that superbly finished Garden Glory so it would be wise to use a red parent to go with it that is wide of parts, and make sure its parents were the same—especially wide of falls, for Garden Glory comes from The Red Douglas and very often produces seedlings that are somewhat long and narrow in falls. Varieties with Dominion blood will help to correct this fault of narrowness, but then you will have to watch out for reticulations or striations on the hafts. Dominion has been a great progenitor especially for "reds" and blues, although it may be found in the pedigree of many whites (Snowking), lovely blends (Midwest Gem, Matula) and even in plicates (Aldura) and other colors, including the coppers such as Radiant, Copper Glow, etc. One should be careful in the selection of parents for narrowness (not always undesirable, however, depending upon the actual beauty and form of the flower) may be difficult to breed out. You may expect narrowness in seedlings of: Naranja, Shining Waters, Melitza, Black Forest, and others, and surely the characteristic will show up in the second and third generation unless extreme care is used. Size, too, may be highly hereditary. Ola Kala, Jasper Agate, Orloff, Naranja, Overture, and Flora Zenor all have a tendency to produce small-flowered seedlings. One should select parents with size to offset this. As in the case of Flora Zenor its seedlings are usually small, plus a tendency toward the same dirty falls (purple and striations) but its grandchildren and another generation beyond would more than likely improve; however, the work is great and there are other varieties on the market with decided improvement so one would be wasting his time, to a great extent, to breed with such a variety.

Those Pinks

Great interest is centered on the breeding of pinks these days. As I have mentioned before one of the truly great parents for this color is Golden Eagle. Coming from Prairie Sunset as one parent, and stemming as well from W. R. Dykes, Dolly Madison and Morocco Rose, it has great possibilities. One may expect lovely shades of Salmon-pink and Orange-pink (perhaps because of the blood of Prairie Sunset) as well as true pinks. It might be well to mention here that Dr. Loomis' Morocco Rose and his first Shell pink (Sea Shell) are half-sisters—both stemming from one parent (F 70, which is out of W. J. Fryer x Ricardi). Undoubtedly Ricardi may be the influence here for the pink color as well as the tangerine beard. I produced a light shell pink from Chosen (which is Purissima, Mirasol and Rubeo blood), crossed with Morocco Rose. Here Purissima as well as Mirasol carry that "mesopotamica" (Ricardi, a form of Mesopotamica) blood. And now Thomas Craig tells us that Mount Washington (also a mesopotamica derivative) is useful in the breeding of these pink-bud iris. Undoubtedly Melitza carries this same blood, for it is of "tender" origin and shows this in itself as well as its seedlings. It is unfortunate that we do not know the breeding of W. R. Dykes, but it, too, must surely stem from mesopotamica or Ricardi blood. Both Happy Days and sister seedling Isabellina carry this blood of mesopotamica and are useful toward pink breeding; however, Isabellina has such poor substance its usefulness may not be great, for although some of its seedlings have fair substance the majority of its grandchildren (at least for me) have been like tissue paper and melt almost before they are open—in fact, some few seedlings never did open properly. While Golden Eagle hasn't the greatest substance it seems to have the happy trait of giving its children good substance as well as great vigor of growth and increase. Golden Eagle has one trait that must be guarded against and that is weak branches (side-stems) and when breeding Golden Eagle one should make sure to stake all stalks that are to bear pods for the wind will often blow its stalks to the ground. Using Golden Eagle as a pod parent, I crossed it with pollen of Dr. Loomis' S. Q. 72 (which unfortunately I have no record of except that I know it is a seedling of Sea Shell) and this variety has a tall stalk with strong branches—the resulting seedlings were nearly all strongly branched; however, several seedlings had collapsible branches, and these were destroyed at once. From this cross, Pink Tower and Pink Formal resulted, and one could not ask for better stalks. Pink Formal has the deepest of color and seems to be the finest kind of pollen parent—giving its children great depth of color as well as good substance and fine-branched stalk. Spindrift is proving a splendid parent for pinks, and its grandchildren are, in most cases, vast improvements—having tall, well branched stalks as well as size and clarity of color. I have used Golden Eagle with Spindrift to good advantage. Pink Salmon is from this cross and it, in turn, is proving a splendid parent—giving height (perhaps from Morocco Rose and Golden Eagle blood) to its children. One of the finest new pinks I bloomed last season came from a seedling, 45-22 A (Lancaster x Hall's 42-10), a big yellow crossed with a sister seedling of Pink Formal and Pink Tower 46-22 B. This is a heavily ruffled deep pink with good branching. Its number is 48-69. We can see from this that there is considerable line-breeding since Hall's 42-10 is a seedling of Golden Eagle; however, there is some out-breeding in the use of Lancaster, and although there were not many pinks in the cross this one was superb. Close in-breeding among pinks, or any other color, where the substance may be poor or the size small, will get one nowhere; we must bring in new blood for vigor, size, and substance (of course this is just a theory of my own founded on my limited experience).

The Blues

We have a long way to go, yet, to reach the goal of a true blue. Helen McGregor is a beautiful light blue, but it fades in hot sun to white. Azure Skies retains its color quite well as so many others, but they are not true blue. Blue Valley approaches blue, yet it retains much of the texture-veining of its parent, Great Lakes, and this detracts from the flower, as does this same veining in Esquire, Lake Shannon and Great Lakes, but the latter is one of the finest of parents. Walter Welch used Great Lakes on a seedling of his (a sister to Halleluiah: Gudrun x Easter Morn) with astounding results—the texture veining was not present. Blue Rhythm is of the deeper shade of blue and one of the best. It should prove a remarkable parent, as perhaps will Chivalry, Sylvia Murray, Azure Skies, and others. Parents proven in this color are Purissima, Gloriole, Lake George, Blue Spire, Mary Clotilde, Mountain Sky, Sparkling Frost, Blue Zenith, The Admiral, Shining Waters, and others. Coming on the horizon are Pierre Menard and Cahokia (sister seedlings) stemming from Purissima and Santa Barbara blood. Mirror Lake has given me some splendid new seedlings, as have some from Anitra x Great Lakes—these without texture veining, and, by the way, Anitra should be a fine blue parent—it is like Purissima in that it sets seed with ease. The hybrids from Purissima x Capitola—Peg Debagh, Morning Blue and Blue Elegance — may change our concept of flower form, and from these may come better blues, if they will prove easy parents.

The Reds

Important parents in the reds are nearly all descended from Dominion blood. Some good red parents are: Red Valor, Red Gleam, Garden Magic and its children, Garden Glory and Ranger (a difficult parent either way), Christabel (a producer of weak seedlings subject to rot), Flora Campbell, Solid Mahogany, Velvet King, Three Oaks, and Garden Flame. Tiffany produces reds as well as plicatas, due, no doubt, to King Tut and Morning Splendor blood. Of course Dauntless, Cardinal, Depute Nombrot, Bruno and Moa (all from Dominion blood) have proven their worth as "red" parents, but some of the newer varieties are advances. Dreamland may be useful, as might Starless Night and some of the newer reds like Apex, Orelia, Drum Major, Redwyne, Redward, Red Torch, Arab Chief, Tobacco Road and Red Ray, the latter a splendid parent for re-blooming iris as are also Radiant, Tiffany, Rosy Wings, and China Maid.

The Plicatas

In the plicatas we have an ever-increasing range of colors to choose from. There are the white ground, the yellow ground, and the cream ground. We might expect "brushed" plicatas (sometimes called fancy, or striates) banded, or precisely stitched. Here, too, we must look at the grandparents (or beyond) for plicata carriers since plicata blood is recessive. Elsa Sass, Alta California, Great Lakes, Happy Days, Naranja, Shining Waters, Sea Shell, Purissima and Salar are just a few carrying plicata blood. One of our Robin friends wrote of a cross she made with Great Lakes x Elsa Sass that gave her all plicatas ranging from yellow to white-ground, all of a smooth texture—she was quite enthusiastic about them. Elsa Sass coming from two yellow-ground plicatas should throw this type quite consistently if bred to plicata carriers. To improve the substance and width of this class of flowers, Aldura may become very useful since it carries Dominion blood.

The Lemon Yellows

These will come from the plicatas (yellow-ground primarily) and some of these are Elsa Sass, Moonlight Madonna, Misty Gold, Cool Lemonade, Mattie Gates and the new Belle Amie. While they have some resemblance, each is different in form, substance or clarity of color. Some like Mattie Gates, Elsa Sass and Misty Gold have the white area in the falls.

The Blends

This class covers many various shades and hues from light, washed-out colors to deep, rich and vibrant colors such as General Patton and Bryce Canyon. There are delicate pink blends such as Remembrance and Midwest Gem, richer blends like Matula and Three Oaks, to flaming colors like Miogem, Gypsy Rose, Auburn, Aztec Copper, Arab Chief, Bryce Canyon or Rilla Gabbert. Prairie Sunset has been an important parent in this class, and crossed with Tobacco Road it produced a host of fine blends for me—one of which, No. 46-16, proved a wonderful parent; this crossed on many things, including Honeyflow, gave excellent, smooth-textured blends from rich orange to copper and reddish tones. As mentioned last year, Arab Chief x Bryce Canyon gave me several splendid copper-red blends—one of which was named The Showman (H. C. 1948), and these should be useful for line-breeding with other Tobacco Road or Aztec Copper derivatives, which stem from that remarkable progenitor, Far West. Old Parchment x Mellowglow gave me a host of fine blends—one of which I have named Utah Special, a lovely light cream, salmon and other colors blended in a ruffled flower.

The Whites

As with the blues we are still seeking better whites. Some late new developments are splendid, such as Lady Boscawen, Alba Superba, White Ruffles, Spanish Peaks, Snow Carnival, Jake, New Snow, and Snow Flurry. Priscilla is about the most pure white, and I have seen it grown fully three feet tall. Purissima is still fine where it can be grown and is undoubtedly a superb parent for whites. Snow Flurry, delightful with its ruffling, And Thou, Howdy, Gentle Florence, White Wedgewood and Blue Crown are among the blue-whites, all of which are good.

The Black-Purples

Sable and Black Forest are leaders in this field together with the later blooming Storm King and Indiana Night, and to these I would add my new Night Life and this year's introduction, Night Spot, which comes from Storm King x Prince Valiant—a Joycette Seedling of Mrs. Tharp's. This class will bear new additions. Mrs. Crosby bloomed a beautiful red-black from Sable x Solid Mahogany that is promising.

The Yellows

The field of yellows is great and only a very few are really outstandingly different; however, since yellow plays such an important part in the garden picture it is almost impossible to have too many of them. The most outstanding new yellows seem to be Ola Kala, Berkeley Gold, Admiration, Goldbeater, Ming Yellow, Spun Gold, and that smooth creation of Carl Taylor's, Golden Ruffles, and to add to the confusion of names I would include my own heavily ruffled

Gold Ruffles, even though it has some lines at the haft, but in spite of these it is proving a remarkable parent for yellows, blends and pure pinks, since its sister, 44-67, was a pink-bud break in the same pod and it is, together with other pink lines (unrelated), giving me some splendid pinks with splendid form and good substance.

The Creams

Our big surprise last season was Miss Rees' Ruffled Bouquet—a seedling from Snow Flurry x Sunburst. This seemed to us the finest primrose yellow or cream, although we like Creamo, Snoqualmie, Amandine, Golden Treasure and Desert Song. This class could be widened and as Walter Welch suggests, the breeding of whites with yellows will give a host of cream or light yellow seedlings, some of which may be improvements. Desert Song has about the most substance and widest petals, but has texture veining. I think, however, it will prove a wonderful parent for creams, yellows, pinks, and orchids.

Purples (Mulberry)

In this class Elmohr stands supreme. Deep Velvet, Purple Moor, Lord Dongan and Master Charles. Burgundy Rose and my new Story Time should be included here. This class could be expanded. The purples crossed with reds will give a great many of these colors, as will the addition of the blood of Inspiration, Starless Night, etc.

The Oranges

This class has been slow to come to the front, and no marked stride has yet been made, although some striking iris have been developed, nearly all of which stem from Naranja. Prince Of Orange, Ella Callis, Ta Ming, Damascus and Rocket are a few in the bi-colored orange and yellow class. I feel the oranges from the pink breeding will bring this class to the front very shortly, and I see in them more true orange than is found in these others that are, admittedly, quite yellow. Whole vistas are open to hybridizers in this color class. Almost any iris with Naranja in the background will be a useful parent, such as mentioned above, and Goldbeater, another. Some of these like Ella Callis and Ta Ming sunburn badly, so great care must be exercised in the selection of the proper parents to cross with them. The orange-pinks stemming from Melitza, the Sea Shell pinks and Golden Eagle, will bring us exciting color together with that tell-tale beard—giving us flowers with greatly enhanced color within.

The Amoenas

Here is a class that has been slow to improve, and the reason may lie in the difficulty in breeding and germination from these. Wabash has long been a standard of perfection in this class; however, we understand Geddes Douglas of Nashville, Tenn., has some advancements coming from Extravaganza x Wabash that will set a new standard. Edward W. Brennan of Redlands, Calif., has bloomed seedlings from the same cross, some of which are on trial here. Mrs. Crosby of Orem, Utah, bloomed an unusually fine, large one with considerable reddish tones in the falls from Shannopin x Wabash. Size has been achieved. Further refinement will come. There may be much of interest here, yet. I bloomed a fair Amoena from Dorothy Dietz x Mauna Loa, but it is a difficult parent and has no pollen, on occasions. Iris Lent A. Williamson is responsible for most of the Amoenas in existence today and it might still be of use, although with Extravaganza, and its new children, advancement is so great it might not "pay" to go back to such an old iris for breeding, although surely Wabash and Shannopin will yet hold great possibilities in this color class, as will Amigo, although this iris is really a Neglecta and is quite difficult to breed. Many hybridizers have seedlings from Amigo x Wabash, said to be improvements, of a sort, over either parent. From the breeding of Amoenas one may expect variegatas to crop up but the things to keep in mind are to improve size, substance and branching.

Taking Care of the Seeds

I believe everyone will know how to mark their crosses, but one should be certain to use labels that will not peel or lose their markings before the pods are gathered. Wooden tree labels with copper wire may be used, paper marking tags can be used, some of the new plastic markers or aluminum markers. These should be plain so no mistakes are made at gathering time. If one is working with a plot of Wm. Mohr, for instance, he might drive stakes and cross all flowers in one area with one kind of pollen, thus using only one marker or label for a goodly number of stalks crossed. One label might serve to mark crosses on a stalk by marking it thusly: the top flowers are crossed with the first pollen on the tag—if a branch just below is crossed write "J. B." (meaning Just Below), and if the second branch is crossed differently write "2nd B" (Second Below), or "B" for Bottom, etc. Sometimes one crosses the top flower and the bottom flower with the same pollen. In such an event he can write the pollen parent down and just under this write: Also B or and B. It might be wise, especially during wet weather, to pull down the spathes—those sheaths of green growing upward close to the ovaries for these might hold water, as will the green near each branch, and cause rot before the pods develop.

It often happens accidents occur to pods or stalks before the seeds are ripe. I have found it best to place these on a shelf to finish drying, although some fanciers have used Sugar

Water or water with vitamin B1 with good results. Plain water hastens rotting of the stalks and saps the natural nourishment from the ripening seed pods. There is enough strength in the ordinary stalk to ripen one or two pods without other feeding. Watch these broken-off stalks for aphids, and if some are found the stalks should be sprayed with nicotine sulphate solution, otherwise these insects will take much of the vitality from the stalk. Some fanciers have placed broken-off pods in the moist soil under the plants right in the garden. This might be alright if one had only one or two crosses of this type to watch, but if such pods receive too much moisture will rot before the seeds develop. As soon as the pods turn brown or start to crack the seeds should be shelled out into small envelopes with the cross written on the outside. The envelopes should remain open and the contents shaken occasionally to prevent moulding; however, if the seeds do mould there should be no alarm for it does not seem to interfere with germination.

Here in this section we do not plant the seed until late October or early November. There are many methods of planting seed. One might choose the method most suitable to his time and ambition. If, for instance, one is sure to be able to transplant seedlings early in the season just before the Tall Bearded start to bloom then planting in cold-frames would be wise, or even planting in open seed-beds, where the seed is planted, very closely, and will have to be transplanted. I have found seed planted very thickly seems to germinate well. Whether this is due to the closeness of the seed or some other factor I am not prepared to say. Some fanciers will prefer to plant in rows (furrows for ditches are made), where the seedlings will grow to maturity and will not have to be transplanted; however, there is a disadvantage to this type of growing seedlings for many seeds will fail to germinate until the second or third season and some may even germinate years later. Needless to say, anything that germinates beyond the time one decides to give for this should either be dug and transplanted to another spot or destroyed immediately after they come through the ground. If one has used a seed-bed over a long period of years needless to say the soil should be given some fertility. The best fertilizer of course is either perfect compost or barnyard manure (fine), and not too old, for old well-rotted manure has lost much of its fertility and only the humus may remain. In preparing cold frames or small seed-beds, light soil, humus, light manure, leaf-mould, and fine sand should be mixed in about equal proportions. Commercial fertilizers should be avoided. Seed should be planted from one-half inch to three-fourths of an inch deep where the beds will have shelter of either frames or some other covering such as excelsior, leaves, marsh hay, cornstalks, etc., which will prevent thawing and freezing that often heaves seeds out of the ground. Beds should be weeded regularly at all times to insure access to the food and sunlight they need for full growth. Water on the seed-beds will insure germination. Beds that become dry, before or after germination starts, may do considerable damage to delicate plants or if not enough moisture is supplied from early season until germination is over seed may not germinate until the next year or even later.

Marking the Crosses

As mentioned last year, I use India ink to write on the wood stakes which are my markers. Ringed wires (galvanized) might be used to mark crosses in cold frames, or even in the field—in the rings might be tied either a plastic, wood or aluminum marked indicating the cross. Recorded in a book, one might have the various crosses, and rows, just in event a marker is lost or obliterated, as often happens.

Selecting Seedlings

When the seedlings actually bloom the important time has come to make selections. Sometimes one wishes to save almost every plant from some crosses, and if a row of blue seedlings are examined in the late evening, after the sun has fallen over the horizon, it is easy to see the finest "Blues" yet produced. One might mark a half dozen only to look at them under sunlight, with the blue sky above for comparison, and the markers will come off immediately. Many a flower has been marked in the early morning only to have the selection tag removed in the afternoon when it has proven to be just another pretty piece of fluff without enough substance to withstand the sun's hot rays. No fancier can judge his seedlings with finality the first season, some seem to improve on second year plants, while others seem to have given a "swan-song" their first year and are never as good again. I believe, however, another season finds us ever more critical and what pleased us last year, or a few years ago, might look like last year's Easter bonnet. Any fancier, too, must grow or have access to a garden growing the latest novelties or he cannot appraise his own seedlings. Unless a seedling shows considerable merit it is hardly worthwhile to keep it, unless for some purpose in breeding. Odd, though, some new plants are such "stinkers" the first season, and some of these might be mentioned: Flora Zenor, White Wedgewood, Miobelle, Black Banner, etc., and I have seen plants of Chamois that one would not look at a second time, so if it were a seedling one might easily pull it up without a thought of remorse.

No doubt many fine seedlings have gone to rest without having a chance to show what they could do, but more often a promising seedling is given its fair chance. Some colors, however, show up better in different soils. Blues, for instance, will look bluer in some localities, and some blends are much richer in certain soils. A safe rule, however, is not to judge a new plant too harshly. Branching, size and color can best be judged on a two year plant. Some varieties like Snow Flurry (in some sections, that is), Elmoir, Blue Rhythm, etc., nearly always give typical bloom on first year plants. However, back to selection of seedlings. If you live in an isolated place and you have no way of knowing how good your pet seedling may be it would be wise if you should send it to a fancier's garden for trial, and don't feel hurt if he tells you, "it is just another nice blend, but not distinctive enough to merit introduction." Because you are a novice don't be afraid to send a plant out for trial—it may be you have a future Dykes Medal iris. Cousin's first introduction, Great Lakes, won him the medal, as did Wills' Chivalry. Miss Rees' first named iris, Snow Flurry, has brought her world fame, and an ever-increasing number of "grandchildren"—a posterity that iris fanciers will thank her for for years to come.

Naming Iris

Hybridizers say it is much easier to produce an iris of quality than to find a fitting name. Personally, I like simple and descriptive names. Hybridizers who understand French or Indian may choose names for their productions that mean a lot to them but nothing to the majority of fanciers. Many an iris has been boosted to fame by its name, and many a good variety with a difficult name has been greatly hindered. Names like Kachookio, Kahokio, Rangitikia, or even Tishomingo are not likely to find favor among the average, and surely such simple names as Naranja, Ola Kala or Gudrun are difficult enough for some of us to pronounce to say nothing of Jean Cayeux, and Depute' Nomblot. How much easier to pronounce names like: China Maid, Great Lakes, Grand Canyon, Remembrance, Tiffany, Mulberry Rose, Snow Flurry, Black Forest, Sable, etc. Very often just looking at an iris will name it for you. Each flower has its own charm, its own personality, and it will suggest a name if you give the matter a little careful thought. Of course, very often some of the best names have been used and as is often the case such descriptive names as Pink Ruffles, Dogrose, Pink Satin, etc., have been used for earlier productions that were, perhaps, at that time considered pink, but which now are considered lavender or orchid and the names are no longer truly descriptive.

Iris Planting

W. R. Dykes suggested that planting immediately following the blooming period would give excellent results, and that during July the buds were forming for next year's bloom and if disturbed at this time might not bloom the following year. Later planting, however, in August and September was suggested as an excellent time. Some varieties seem to bloom well regardless of the time they are transplanted while others are slow to establish and bloom the first year regardless. One must take into account the climate and weather conditions. Iris transplanted during very hot weather may just "sit" and if watered excessively may rot. Fanciers living in mild climates can, very often, plant iris all but the very hottest months, where fanciers in colder sections have shorter growing seasons and must plant during July, August and September. Later plantings in cold sections (especially where there is chance of open winters) with thawing and freezing conditions during the winter should cover plants with leaves and wire, excelsior, marsh hay, cornstalks, or some other coarse material that will allow some ventilation without allowing the ground to thaw. Sometimes, however, field mice or other rodents will do some damage to plants so covered, therefore the fancier must understand his problems and act accordingly.

Iris Diseases

I suppose no section of the country is free, entirely, of the common diseases of iris. Rot, of two types, especially, is the work of the average iris fancier. Botrytis (Winter Rot) which causes a grey or black mould to grow in the fan and rhizomes will be found in early spring—especially so after a mild or wet winter. It is best to remove all affected parts—being careful to lift these into a box whence they should be burned. The plant, if any is left in the garden, should be treated with a solution of improved Semesan (the strength suggested for use in dipping gladiolus bulbs), Lysol solution (same as for gladiolus dipping), powdered Gypsum, Sulphur or a strong solution of Potassium Pomanginate, this latter being especially useful against infections of Mustard-Seed Fungus (crown rot) which affects the iris during the summer; however, any plant with this disease should be cleaned of all affected leaves (and these destroyed) then the solution of Potassium Pomanginate applied and the parts left exposed to the sun. Bacterial Soft Rot will appear in the late spring and early summer or fall. The above remedies might be helpful against this disease, but needless to say the affected parts should be cut away, the plants treated and the parts left exposed to the sun. Keeping water away from the plants and insuring good drainage should also help. Mrs. Glen Suiter of Nyssa, Oregon, "swears" by fine wood-ashes as a good preventative of rot—this she "plants" well under the newly set rhizomes. Perhaps it is potash that does the good. Healthy plants which have been given a well balanced "diet" will be more likely to withstand disease than weak plants or plants that are "fat" due to over-watering. Incompletely rotted or composted plant life as well as some kinds of animal or poultry manures may cause types of rot or other diseases.

Some types of fertilizers, especially where they come in contact with rhizomes or leaves, will "burn" the plants, making them easy prey to disease or bacterial infection.

Scorch is the disease which causes plants to turn brown—leaving firm rhizomes without roots. Little is known about this disease, its causes or cures; however, plants have been known to recover from the disease, yet it is generally agreed it is a waste of time to bother with them, for the plant may relapse into the disease or its increase may carry the disease. I'm sure the Scientific Committee would be glad to hear of any successful remedy for the disease.

The Iris Borer is a serious problem in some sections of the country. Fortunately, as yet, we have not experienced this pest; however, once started it could become a serious menace. Dr. Fraim and Mrs. Lowry have had success using a spray of wettable DDT. The plants must be covered every 2 weeks (or after heavy rains) from early spring until mid-summer. Any borers found in leaves or rhizomes should be destroyed, of course.

I have written in length, but this rambling bit is not in any way considered to replace the American Iris Society's new book, "The Iris—An Ideal Hardy Perennial," or other writings far more authoritative, and which every iris lover will want to have in his library. I have given hints and suggestions which I will not cover in future editions of this catalogue; but I will surely welcome any findings you have made and wish to pass on to others, through these pages. I shall be pleased to hear from you, and if you have pedigrees I do not give, or if I have made error, I will, likewise, want to change this.

THE BEST-LIKED VARIETIES LAST YEAR

(For obvious reasons I have not included any of my own, or my introductions for others)

| | | |
|-----------------|------------------|-------------------|
| Chamois | Courtier | New Horizon |
| Blue Rhythm | Premier Peach | New Snow |
| Ola Kala | Dreamcastle | Danube Wave |
| Good News | Cloud Castle | Amber Gem |
| Russet Wings | Ranger | Treva |
| Garden Glory | Admiration | Great Lakes |
| Aldura | Honeyflow | Extravaganza |
| Ruffled Boquet | Cascade Splendor | Louise Blake |
| Miogem | Deb's Delight | Golden Madonna |
| Good News | Bataan | Anitra |
| Elmohr | And Thou | Master Charles |
| Rocket | White Wedgewood | Mattie Gates |
| Snow Flurry | The Capitol | Moonlight Madonna |
| Sylvia Murray | Pathfinder | Garden Flame |
| Pink Cameo | Three Oaks | Orelia |
| Misty Gold | Mellowglow | Red Valor |
| National White | Lamplight | Orangeman |
| Golden Symphony | Coloratura | Salmonette |
| Alba Superba | Gulf Stream | Salamonie |
| Solid Mahogany | Black Forest | Bryce Canyon |
| Helen McGregor | Suzette | Tobacco Road |
| Rilla Gabbert | Auburn | Grand Canyon |
| Cherie | Melodist | Mary Clotilde |
| Gypsy | Rose Top | Lady Boscawen |
| Gypsy Rose | Red Torch | Creamo |
| Cardovan | Rajah Brooke | White Alone |
| Patrice | General Patton | The Oriole |
| Vigil | Amandine | |
| Lynn Langford | Jake | |

There were other new ones which did not give typical bloom the first year or failed to bloom. Some of these will join the list next season.

TERMS OF SALE

Cash with order. Postage paid on all orders over \$3.00. Orders for less, add 25c to cover packaging and postage.

Shipping Dates

Our Rhizomes mature here after July 15th; however, we will start shipping July 1st, if so desired.

Discounts — Extras

We offer a 25% discount on all orders over \$10.00. Or if you prefer, give us a list of extras which you would enjoy—even some quite new and expensive ones for we often have good stocks of these and would like to have you try them in your garden. We like to be generous. No discount on varieties marked "Net."

Replacements

- We will replace any variety you have purchased from us which fails to live or is untrue to label.

An Invitation

Join the American Iris Society. Its four big quarterly bulletins will give you interesting and authoritative information on iris culture, arrangements, color combinations in the gardens, notes on interesting species, suggestions to hybridizers, historical and breeding records, registration and exhibition policies, annual lists of favorite varieties, varietal comments, award winners, and news of iris activities everywhere.

Dues are \$3.50 per year. Mail check to us or direct to American Iris Society, 444 Chestnut St., Nashville 10, Tennessee.

The best book available on irises is "The Iris—An Ideal Hardy Perennial." It is a "must" for all iris enthusiasts. Paper bound, \$1.50. Permanent binding (the most practical if you expect to use it much) \$2.50. You may order this from us or directly from the American Iris Society (address above). Or take advantage of the offer below, if you are not already a member of the American Iris Society.

Special Offer to Those Not Already Members of the Society:

The Book, "The Iris—An Ideal Hardy Perennial," and one year Membership in the A. I. S., and these 8 exotic iris: Elmohr, Great Lakes, Mount Timp, Ormohr, Tiffanja, Three Oaks, Wabash, and Wm. A. Setchell (if you have some of these you may use any of the following as substitutes: Cream Gold, Aldura, Late Guest, Dawn Overlay)—

A \$15.00 Value — All for Only \$10.00

(if you want the permanent binding, add \$1.00 to the above)

To enlarge our membership in Region 12 any fanciers in Utah, Arizona and New Mexico may take advantage of the same offer, but I will include as a gift my new introduction, After Midnight. Or you may send your membership dues of \$3.50 to me and I will send you either Cream Gold or Mount Timp free of charge. This is for new members only, but I personally solicit the help of old members to bring this offer to the attention of new fanciers in these states.

An invitation to Utah iris lovers. Join our Utah Iris Society. If you are interested write for further information.

Pink Seedlings

We have some fine numbered pink seedlings, new seedlings from Pink Formal last year, and many more to bloom this season. Pink seedlings under number will be sold at \$2.00 each. Some unnumbered pinks from Pink Formal crosses will be sold at \$3.00 each. Sister seedlings, or other colors, not pink,, will be \$1.00 each, pedigrees furnished.

Pollen

Pollen of Pink Formal will be sold from May 20th to 30th at \$5.00 per 9 stemens. Other Pollens at 10% of Catalogue price per rhizome.

Tall Bearded Iris Seed

Last year I offered to make crosses, and in many instances it was possible to make these, but some varieties were spoiled with rain, failed to bloom, had no pollen, or failed to set seed, etc., and some disappointment naturally resulted, although most fanciers were pleased to have me substitute some of my own work in the same color classes, so this year I will again offer seed, and you may suggest colors, or one parent. Not less than 20 seeds from a cross will be sold due to the work and time involved in making the crosses, labeling, and writing the envelopes, etc. You are more likely, anyway, to get something better from 20 seeds than you would from only 4 to 5 seeds.

Seeds will be 5c each in any color class. Crosses, however, from Pink Formal used either way will be 10c each. I will not offer seed this year from such difficult parents as the hybrids (Elmohr, Suez, etc.). But I will be glad to make some crosses using my Hoogie Boy if you so desire these but let me know early. These will be 10c each (as pollen parent).

Seed will be mailed about September first. Do not ask for less than 20 seeds from a cross. Count will be good.

SPECIAL: Chance seeds gathered from unusual crosses in pinks, blends, whites, blues, coppers, oranges, and plicatas, \$1.00 per envelope (mixed blend) about 100 seeds.

Visitors Welcome

We especially invite visitors attending the Portland meeting to come to Utah after the A. I. S. meeting May 14th to 16th. Our peak bloom is usually May 17th to 30th. There won't be much to show before May 17th.

Have You Changed Your Address?

If you have moved and wish to remain on our mailing list kindly notify us of your new address—giving your old address as well.

Tell's Iris Gardens

Date.....19.....

SHIP TO

Street or R. F. D.

City State

Date Wanted Amount Enclosed \$.....

Postage prepaid on orders over \$3.00, for less add 25c to cover packing and postage. All plants guaranteed true to name.

Continue order on reverse side of this sheet.

ORDER SHEET—Continued

Amount Brought Forward

TOTAL

LESS DISCOUNT

GRAND TOTAL

